Murata Power Solutions' latest

DC-DC Converters

Isolated
Single, dual & triple output: <1W to 450W

Non-isolated
Point-of-Load: 1A to 16A

DC-DC Products

Powering innovation

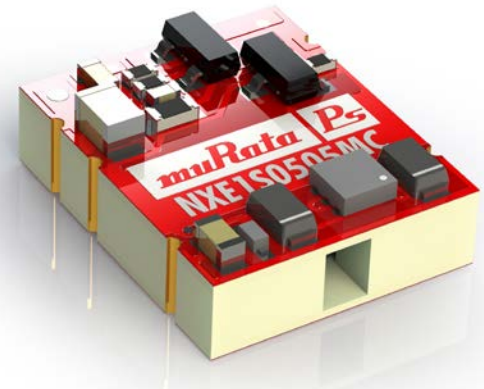
Your preferred power partner, delivering innovative solutions you can rely on, again & again

About Murata Power Solutions

The number one supplier of board-mount power and among the top suppliers of overall power electronics.

From 0.25W isolated converters to 2100W front-end power supplies, along with filtering and isolation solutions, our current offering exceeds 3,500 standard models developed in our design and manufacturing centers located in the US, Canada, UK, Japan and China.

Murata's worldwide network of technical sales managers, FAEs, customer support and industry-leading distributors, reliably support the power requirements of local and global manufacturers of telecommunications equipment, data management systems, industrial controls, transportation electronics, energy systems, and more.



Contents:

This catalogue contains typical specifications. Please consult the product data sheet for complete specifications.

Our DC-DC Converters

This catalogue provides specifications for our entire offering of:

Point-of-Load converters

- **DOSA compatible designs**
- **A new breed of DC-DCs**

Isolated DC to DC converter products

- **Single, dual, and triple output**
- **Power from 0.25 to 450 Watts; currents from 0.02 to 50 Amps**

Bricks

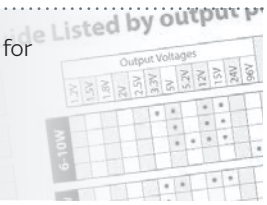
- **DOSA compliant 1/32 to 1/2**
- **1 x 1" and 2 x 2" encapsulated**

1 Find

your output voltage from the product data tables

2 Refer

to quick selection guides for
Output power (isolated)
Output current (PoLs)

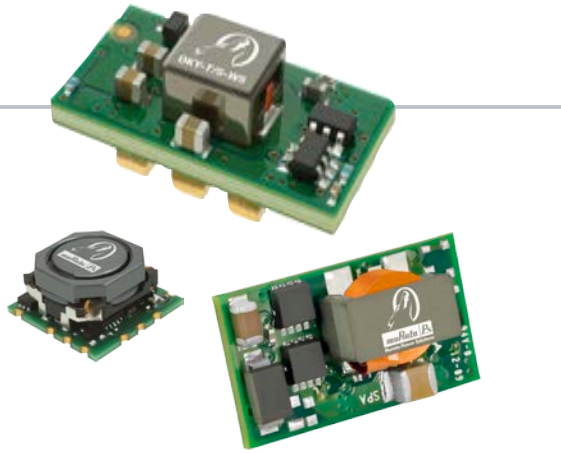


3 Choose

the ideal product series for your application

4 Visit

www,power-murata.com
for data sheets and complete specifications



Point-of-Load

Non-isolated DC-DC converter series

Murata Power Solutions offers more non-isolated, point-of-load (PoL) DC-DCs, in standard packages and pinouts, than any other company.

Our PoL output voltages range from 0.75 to 6V at current levels from 2 to 50A. Input voltages are centered around traditional 3, 5 and 12V levels, with some devices operating from 7.5 to 40V. Standard packages include SMT and SIP models.

The newest SMT and SIP models offer user programmable outputs (0.6-15.5V) while operating from wide-range inputs (2.4-5.5V, 2.9-14V, 4.5-14V, 6-14V, 8.3-14V, 9-32V, 16-40V, or 19-40V). For many applications, they can be genuine "one-size-fits-all" solutions.

PoLs may be powered from AC to DC converters and DC-DC regulators, among other design options. Also, many designers find them a quick, cost-effective solution when isolation is not required and in-house designs are too expensive and time consuming.

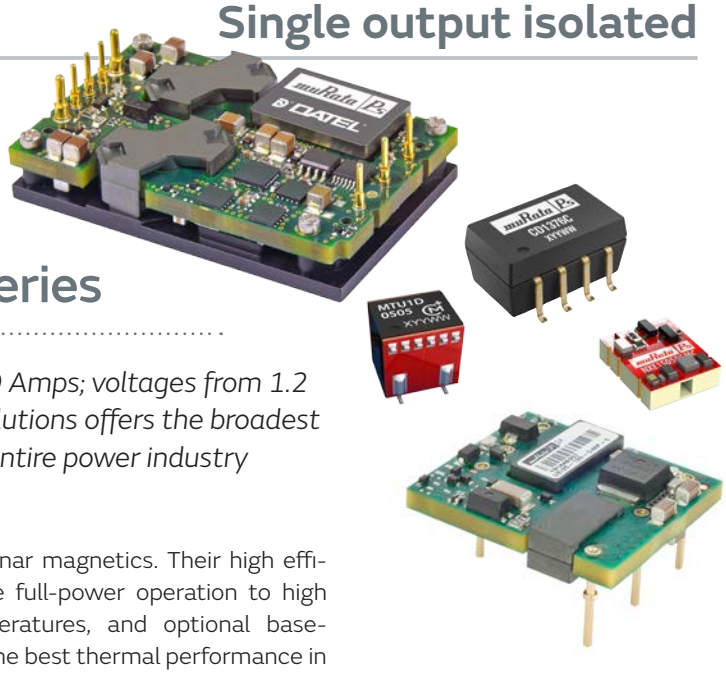
User programmable output voltages

Part Number* Note: Root part numbers may be shown. Please refer to datasheets for available options.	Output Characteristics			Input Voltage			Efficiency	Package				Package Dimensions						Datasheet Available at www.murata-ps.com
												Inches			mm			
	Rated Output Current	Rated Output Voltage	Total Output Power	Nom.	Min.	Max.		SM	TH	DIP	SIP	L	W	H	L	W	H	
OKL-T/1-W12x-C*	1A	0.9-5.5V	5W	12V	2.9V	14V	90%	●				0.49	0.18	0.49	12.4	4.57	12.4	OKL-T/1-W12
OKR-T/1.5-W12-C	1.5A	0.591-6V	7.5W		4.5V		93%				●	0.41	0.24	0.40	10.4	6.1	10.16	OKR-T/1.5-W12
OKI-T/3-W32x-C*	3A	0.7525-4.5V	13.5W	24V	9V	32	89%	●				0.82	0.34	0.47	11.9	8.5	11.9	OKI-T/3-W32
OKI-T/3-W40x-C*		0.7525-5.5V	15W		16V	40V	88%	●				0.82	0.34	0.47	11.9	8.5	11.9	OKI-T/3-W40
OKI-T/36W-W40x-C*		5.021-15.5V	36W		19V		95%	●				0.82	0.34	0.47	11.9	8.6	11.9	OKI-T/36W-W40
OKL-T/3-W5x-C*		0.6-3.63V	9.9W	5V	2.4V	5.5V		●				0.48	0.24	0.48	12.2	6.2	12.2	OKL-T/3-W5
OKL-T/3-W12x-C*		0.591-5.5V	15W	12V	4.5V	14V	93%	●				0.48	0.24	0.48	12.2	6.2	12.2	OKL-T/3-W12
OKX-T/3-D12-C		0.75-5.5V			8.3V						●	0.40	0.09	0.28	10.16	22.9	7.2	OKX-T/3-D12
OKY-T/3-D12x-C*								●				0.47	0.082	0.28	11.9	20.8	7.0	OKY-T/3, T/5-D12
OKX-T/3-W5-C		0.7525-3.63V	9.9W	5V	2.4V	5.5V	94%				●	0.40	0.09	0.28	10.16	22.9	7.2	OKX-T/3-W5
OKY-T/3-W5x-C*								●				0.47	0.082	0.28	11.9	20.8	7.0	OKY-T/3, T/5-W5
OKR-T/3-W12-C		0.591-6V	15W	12V	4.5V	14V	93%				●	0.65	0.22	0.41	10.4	5.6	10.4	OKR-T/3-W12
OKX-T/5-D12-C	5A	0.75-5.5V	25W		8.3V						●	0.40	0.09	0.28	10.16	22.9	7.2	OKX-T/5-D12
OKY-T/5-D12x-C*								●				0.47	0.082	0.28	11.9	20.8	7.0	OKY-T/3, T/5-D12
OKX-T/5-W5-C		0.7525-3.63V	16.5W	5V	2.4V	5.5V	94%				●	0.40	0.09	0.28	10.16	22.9	7.2	OKX-T/5-W5
OKY-T/5-W5x-C*								●				0.47	0.082	0.28	11.9	20.8	7.0	OKY-T/3, T/5-W5
OKL-T/6-W5x-C*	6A	0.6-3.3V	19.8W					●				0.48	0.28	0.48	12.2	7.2	12.2	OKL-T/6-W5
OKL-T/6-W12x-C*		0.591-5.5V	30W	12	4.5V	14V	93%	●				0.48	0.28	0.48	12.2	7.2	12.2	OKL-T/6-W12
OKR-T/6-W12-C		0.591-6V					96%				●	0.65	0.3	0.41	10.4	7.6	10.4	OKR-T/6-W12
OKR-T/10-W12-C	10A		50W				92%				●	0.65	0.3	0.41	10.4	7.6	10.4	OKR-T/10-W12
OKX-T/10-D12x-C*		0.7525-5.5V			8.3V		95%				●	0.5	0.37	2	50.8	9.4	50.8	OKX-T/10, T/16-D12
OKX-T/10-W5x-C*		0.7525-3.63V	33W	5V	2.4V	5.5V	96%				●	2	0.5	0.37	9.4	12.7	9.4	OKX-T/10, T/16-W5
OKY-T/10-D12x-C*		0.7525-5.5V	50W	12V	8.3V	14V	95%	●				0.53	0.33	1.3	33	8.4	33	OKY-T/10, T/16-D12
OKY-T/10-W5x-C*		0.7525-3.63V	33W	5V	2.4V	5.5V		●				1.3	0.33	0.53	13.5	8.3	13.5	OKY-T/10, T/16-W5
OKX-T/16-D12x-C*	16A	0.7525-5.5V	80W	12V	8.3V	14V	94%				●	0.5	0.37	2	50.8	9.4	50.8	OKX-T/10, T/16-D12
OKX-T/16-W5x-C*		0.7525-3.63V	52.8W	5V	2.4V	5.5V	95%				●	2	0.5	0.37	9.4	12.7	9.4	OKX-T/10, T/16-W5
OKY-T/16-D12x-C*		0.7525-5.5V	80W	12V	8.3V	14V	94%	●				0.53	0.33	1.3	33	8.4	33	OKY-T/10, T/16-D12
OKY-T/16-W5x-C*		0.7525-3.63V	52.8W	5V	2.4V	5.5V	95%	●				1.3	0.33	0.53	13.5	8.3	13.5	OKY-T/10, T/16-W5
OKDx-T/40-W12-C**	40A	0.6-3.3V	132W	12	4.5V	14V	95%	●	●		●	1.215	0.787	0.323	30.85	20.0	8.2	OKDx-T/40-W12

*x = N (negative) or P (positive) logic ** x = Form factor

OKI-78SR Series fixed output voltages

OKI-78SR3.3/1.5-W36-C	1.5A	3.3V	4.95W	24V	7V	36V	86%				●	0.65	0.3	0.41	16.5	7.62	10.4	OKI-78SR
OKI-78SR3.3/1.5-W36H-C											●	0.65	0.3	0.41	16.5	7.62	10.4	
OKI-78SR5/1.5-W36-C		5V	7.5W				91%				●	0.65	0.3	0.41	16.5	7.62	10.4	
OKI-78SR5/1.5-W36H-C											●	0.65	0.3	0.41	16.5	7.62	10.4	



Single output

Isolated DC to DC converter series

Power from 0.25 to 300 Watts; currents from 0.02 to 80 Amps; voltages from 1.2 to 96 Volts; inputs from 3 to 75 Volts ...Murata Power Solutions offers the broadest line of single-output, isolated DC/DC converters in the entire power industry ...without a doubt.

Our low-power encapsulated products (mini SIPs, DIPs and SMDs) are among the smallest available. Many use contemporary ceramic-substrates and copper-lead-frame technologies to achieve their small size.

At the other extreme, our high-power 1/32, 1/16, 1/8, 1/4, and 1/2 bricks are open-frame assemblies using multi-layer, heavy-copper pc boards and planar magnetics. Their high efficiencies enable full-power operation to high ambient temperatures, and optional base-plates deliver the best thermal performance in the industry.

If you can't find the DC/DC power solution you need in the tables below, contact us, and we'll develop one for you.

Quick selection guide listed by output power

	Output Voltages								
	3.3V	5V	6V	9V	12V	15V	20V	24V	Series
<1W	●	●			●				CME
		●							CMR
		●		●	●	●			LME
		●		●	●	●			NMF
	●	●			●				MEE1
	●	●							MEF1
	●	●		●	●	●			MEJ1
		●		●	●	●			MER1
	●	●		●	●	●			MEU1
		●		●	●	●			MEV1
		●						●	MMV1
	●	●	●	●	●	●			MTE1
		●		●	●	●			MTU1
	●	●			●				NCS1
	●	●		●	●	●			NKE
		●		●	●	●		●	NME
	●	●		●	●	●			NMJ
		●			●	●			NMR
		●		●	●	●			NMV
	●	●	●	●	●	●			NTE
		●							NXE1
		●			●	●			PWR13XXC
2-3W		●		●	●	●			NDL
	●	●		●	●	●			MEJ2
		●						●	MTU2
		●		●	●	●			NMG
		●		●	●	●			NMK
		●		●	●	●			NML
3-4W		●		●	●	●			MEE3
		●		●	●	●			MEV3
	●	●			●	●			NDTS
	●	●		●	●	●			NDY

	Output Voltages										
	1.2V	1.5V	1.8V	2.5V	3.3V	5V	5.2V	12V	15V	24V	96V	Series
6-10W					●	●		●	●			NCM6
					●	●		●	●			NCS6
						●		●	●			NDS6
											●	UWR 9.6W
10-12W					●	●		●	●			NPH10
					●	●		●	●			NCS12
15-18W					●	●		●	●			NPH15
						●		●		●		RUW15
						●		●	●			SPM15
					●	●		●	●			UEI15
18-25W					●	●		●				UEI25
				●	●	●		●	●			UHE 12-30W
25-35W					●	●		●				SPM25
					●	●		●	●			UEI30
					●			●	●			ULS-30W
					●	●		●				ULT
35-50W					●				●			UEI 50-60W
					●							UEE
					●							UWS

	Output Voltages															Series
	1.2V	1.5V	1.8V	2.5V	3.3V	5V	8.3V	12V	15V	18V	24V	28V	29V	48V	53V	54V	
50-75W					●	●		●	●								**UEI** *50-60W*
				●	●	●		●						●			**ULE**
					●	●		●									**ULS**
		●															**UVQ**
					●	●		●	●								**UWE**
						●		●									**UWS**
75-100W													●				**PAE**
					●												**UEE**
					●	●		●									**ULS** *100W*
					●	●		●	●		●						**UQQ**
				●	●			●									**UVQ**
					●	●											**UWE** *100-120W*
100-120W				●	●	●		●		●	●			●			**UVQ**
								●									**UWE** *100-120W*
120-240W																●	**EMH**
					●												**HPQ** *165W*
							●										**HPQ** *182.6W*
													●				**PAQ**
								●									**RBE**
					●	●		●									**UEE** *150W*
								●									**UWQ**
300-450W								●									**HPQ** *300W*
												●					**PAH** *350W*
												●					**PAH** *450W*
														●	●		**PAH** *450W*
								●									**RBQ**

Single output isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
3.3V	0.227A	0.75W	3.3V	2.97V	3.63V	3kV	73%									●	0.45	0.236	0.293	11.48	6	7.46	CME0303S3C	CME
	0.3A	1W	3.3V	2.97V	3.63V	1kV	76%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0303DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0303SC	
							76%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0303ZC	MEU1
							78%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0303MC	MTE1
							73%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0303MC	NTE
						3kV	75%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0303DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE0303SC	
						5.2kV	70%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S0303SC	MEJ1
							66%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0303SAC	NMJ
			3.3V	3.14V	3.47V	1kV	66%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0303SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0303SP3C	
			5V	4.5V	5.5V	1kV	76%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0503DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0503SC	
							77%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0503ZC	MEU1
							79%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0503MC	MTE1
							74%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0503MC	NTE
						3kV	75%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0503DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE0503SC	
						5.2kV	69%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S0503SC	MEJ1
							64%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0503SAC	NMJ
			5V	4.75V	5.25V	1kV	68.5%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0503SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0503SP3C	
			12V	4.5V	18V	1kV	77%									●	0.861	0.323	0.445	21.87	8.2	11.30	NCS1S1203SC	NCS1
			12V	10.8V	13.2V	5.2kV	72%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1203SC	MEJ1
			12V	11.4V	12.6V	1kV	69%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S1203SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S1203SP3C	
			24V	9V	36V	1kV	78.5%									●	0.861	0.323	0.445	21.87	8.2	11.30	NCS1S2403SC	NCS1
			24V	22.8V	25.2V	1kV	69%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S2403SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S2403SP3C	
	0.606A	2W	3.3V	2.97	3.63	5.2kV	70%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0303SC	MEJ2
			5V	4.5V	5.5V									●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0503SC	
			12	10.8V	13.2V		73%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1203SC	
	0.9A	3W	5V	4.5V	9V	1kV	63%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS0503C	NDTS
			12V	9V	18V	1kV	71%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS1203C	
			24V	18V	36V	1kV	71%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS2403C	
							70%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY2403C	NDY
			48V	36V	72V	1kV	71%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS4803C	NDTS
														●	●		0.58	1.27	0.28	14.7	32.3	7	NDY4803C	NDY
	1.52A	6W	12V	9V	36V	1.5kV	78%							●	●		1.26	0.79	0.39	32	20	10	NCS6S1203C	NCS6
			48V	18V	75V		76%							●	●		1.26	0.79	0.39	32	20	10	NCS6S4803C	
			5V	4.5V	9V	5.2kV	75%								●		1.26	0.787	0.423	32	20	10.75	NCM6S0503C	NCM6
			12V	9V	36V		79%								●		1.26	0.787	0.423	32	20	10.75	NCM6S1203C	
			48V	18V	75V		74%								●		1.26	0.787	0.423	32	20	10.75	NCM6S4803C	
	2.94A	10W	24V	18V	36V	1.5kV	79%							●	●		0.98	1.26	0.39	25	32	10	NPH10S2403EIC	NPH10S
														●	●		0.98	1.26	0.39	25	32	10	NPH10S2403IC	
			48V	36V	75V	1.5kV	80%							●	●		0.98	1.26	0.39	25	32	10	NPH10S4803EIC	
														●	●		0.98	1.26	0.39	25	32	10	NPH10S4803IC	
	3.64A	12W	12V	9V	36V	1.5kV	83.5%							●			1.26	0.787	0.394	32	20	10	NCS12S1203C	NCS12
			48V	18V	75V		85.5%							●			1.26	0.787	0.394	32	20	10	NCS12S4803C	
	4.4A	15W	24V	18V	36V	1.5kV	81%							●	●		1	2	0.39	25	50	10	NPH15S2403EIC	NPH15S
														●	●		1	2	0.39	25	50	10	NPH15S2403IC	
			48V	36V	75V	1.5kV	83%							●	●		1	2	0.39	25	50	10	NPH15S4803EIC	
														●	●		1	2	0.39	25	50	10	NPH15S4803IC	
	4.5A	14.9W	24V	9V	36V	1.5kV	87.5%							●			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-033-Q12P-C	UEI 15W
	5A	16.5W	48V	18V	75V	1.5kV	88%							●			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-033-Q48NR-C	

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
3.3V	7.5A	24.75W	24V	9V	36V	1.5kV	88%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-3.3/7500-Q12-C	UHE12-30W
			48V	18V	75V	1.5kV	89.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-3.3/7500-Q48-C	UHE12-30W
				36V			85.5%	●					●	●			0.92	0.75	0.35	23.4	19.1	8.9	ULT-3.3/7.5-D48	ULT
							91%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-3.3/7500-D48-C	UHE12-30W
		25W				1.6kV	89.5%							●			1	1	0.41	25.4	25.4	10.4	SPM25-033-D48	SPM25
						2.25kV								●			1.1	0.32	0.96	27.9	8.13	24.4	UEI25-033-D48	UEI25
	8A	26.4W	48V	36V	75V	2.25kV	90%		●								0.9	1.3	0.36	22.9	33	9.14	ULS-3.3/8-D48	ULS-30W
	9A	29.7W	24V	9V	36V	2.25kV	89%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-033-Q12P-C	UEI30
			48V	18V	75V	2.25kV	89.5%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-033-Q48N-C	UEI30
	15A	49.5W	24V	9V	36V	1.5kV	87.5%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-3.3/15-Q12PR-C	UEI-50/60
			48V	18V	75V	2.25kV	89%		●								0.91	1.31	0.36	23.1	33.27	9.14	UWS-3.3/15-Q48	UWS
		50W	48V	36V	75V	2.25kV	90%			●			●	●			2.3	0.9	0.4	58.4	22.9	10.2	UEE-3.3/15-D48	UEE
	18A	59.4W	48V	18V	75V	2.25kV	89.5%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-3.3/18-Q48NR-C	UEI-50/60
	20A	66W	12V	9V	36V	2.25kV	89%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-3.3/20-Q12P-C	UWE
			24V	18V	36V	2kV	89%			●			●	●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-3.3/20-D24P-C	ULE20A
	20A	66W	48V	18V	75V	2.25kV	89.5%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-3.3/20-Q48N-C	UWE
			48V	36V	75V	2.25kV	89%			●			●	●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-3.3/20-D48N-C	ULE20A
							90%		●				●				1.3	0.4	0.9	33.02	10.16	22.86	ULS-3.3/20-D48N-C	ULS
	25A	82.5W	48V	18V	75V	2.25kV	90%			●			●	●			2.3	0.9	0.4	58.4	22.9	10.2	UEE-3.3/25-D48	UEE
			12V	9V	36V	2kV	88%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-3.3/25-Q12P-C	UQQ 7-15A
			48V	18V	75V	2.25kV	88.5%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-3.3/25-Q48N-C	UQQ 7-15A
	30A	99W	48V	18V	75V	2.25kV	89.5%			●							2.3	0.9	0.39	58.4	22.9	9.9	UWE-3.3/30-Q48-C	UWE-100-120W
				36V	75V	2.25kV	90%			●			●	●			2.3	0.9	0.4	58.4	22.9	10.2	UEE-3.3/30-D48	UEE
							91%		●								1.3	0.9	0.4	33	22.9	10.2	ULS-3.3/30-D48	ULS-100W
	45.5A	150W	48V	36V	75V	2.25kV	92%			●			●	●			2.3	0.9	0.4	58.4	22.9	10.2	UEE-3.3/45-D48	UEE 150W
	50A	165W					90%				●			●			2.3	1.45	0.4	58.4	36.8	10.2	HPQ-3.3/50-D48N-C	HPQ
5V	0.05A	0.25W	3.3V	2.97V	3.63V	1kV	70%						●	●		●	0.24	0.45	0.39	6	11.5	10	LME0305SC	LME
			5V	4.5V	5.5V	1kV	70%						●	●	●		0.39	0.45	0.27	9.8	11.5	6.8	LME0505DC	LME
													●		●		0.24	0.45	0.39	6	11.5	10	LME0505SC	LME
			12V	10.8V	13.2V	1kV	70%						●	●			0.39	0.45	0.27	9.8	11.5	6.8	LME1205DC	LME
													●		●		0.24	0.45	0.39	6	11.5	10	LME1205SC	LME
	0.1A	0.5W	5V	4.75V	5.25V	1kV	50%						●	●			0.39	0.77	0.27	9.8	19.5	6.8	NMF0505DC	NMF
													●		●		0.24	0.77	0.39	6	19.5	10	NMF0505SC	NMF
			12V	11.4V	12.6V	1kV	50%						●	●			0.39	0.77	0.27	9.8	19.5	6.8	NMF1205DC	NMF
													●		●		0.24	0.77	0.39	6	19.5	10	NMF1205SC	NMF
			24V	22.8V	25.2V	1kV	50%						●	●			0.39	0.77	0.27	9.8	19.5	6.8	NMF2405DC	NMF
													●		●		0.24	0.77	0.39	6	19.5	10	NMF2405SC	NMF
	0.15A	0.75W	3.3V	2.97V	3.63V	3kV	73%								●		0.45	0.236	0.293	11.48	6	7.46	CME0305S3C	CME
			5V	4.5V	5.5V	1kV	70%								●		0.453	0.386	0.267	11.50	9.80	6.80	CME0505DC	CME
																●	0.45	0.236	0.393	11.48	6	10	CME0505SC	CME
						3kV										●	0.45	0.236	0.293	11.48	6	7.46	CME0505S3C	CME
						1kV	69%									●	0.77	0.236	0.394	19.50	6	10	CMR100C	CMR
						3kV	68%									●	0.77	0.236	0.394	19.50	6	10	CMR0505SA3C	CMR
			24V	21.6V	26.4V	1kV	70%									●	0.77	0.236	0.394	19.50	6	10	CMR118C	CMR
	0.2A	1W	3.3V	2.97V	3.63V	1kV	79%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0305DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0305SC	MEE1
							79%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0305ZC	MEU1
							82%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0305MC	MTE1
							81%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0305MC	MTU1
							78%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0305MC	NTE
						3kV	76%							●	●		0.39	0.45	0.212	9.8	11.5	5.4	NKE0305DC	NKE
														●		●	0.24	0.45	0.293	6	11.5	7.5	NKE0305SC	NKE
						5.2kV	71.5%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S0305SC	MEJ1
			3.3V	3.14V	3.47V	1kV	71%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0305SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0305SP3C	MEF1
			5V	4.5V	5.5V	1kV	80%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0505DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0505SC	MEE1

Single output isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
5V	0.2A	1W	5V	4.5V	5.5V		81%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0505ZC	MEU1
						1kV	84%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S0505SC	MER1
							82%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0505MC	MTE1
							83%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0505MC	MTU1
							69%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME0505DC	NME
														●		●	0.24	0.45	0.39	6	11.5	10	NME0505SC	
							69%							●		●	0.24	0.77	0.39	6	19.5	10	NMR100C	NMR
							68%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0505MC	NTE
							77%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0505MEC	
						3kV	84%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S0505DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S0505SC	
							78%									●	0.77	0.236	0.394	19.5	6	10	MMV1S0505SC	MMV1
							69%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0505DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE0505SC	
							78%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0505DEC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE0505SEC	
							68%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV0505DAC	NMV
														●		●	0.24	0.77	0.39	6	19.5	10	NMV0505SAC	
						5.2kV	72%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S0505SC	MEJ1
							68%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0505SAC	NMJ
			5V	4.75V	5.25V	1kV	73%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0505SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S0505SP3C	
			12V	10.8V	13.2V	1kV	79%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1205DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1205SC	
							84%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1205SC	MER1
							83%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S1205ZC	MEU1
							84%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1205MC	MTE1
							84%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1205MC	MTU1
							69%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME1205DC	NME
														●		●	0.24	0.45	0.39	6	11.5	10	NME1205SC	
							69%							●		●	0.24	0.77	0.39	6	19.5	10	NMR106C	NMR
							67%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE1205MC	NTE
						3kV	84%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1205DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1205SC	
							71%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE1205DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE1205SC	
							69%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1205DAC	NMV
														●		●	0.24	0.77	0.39	6	19.5	10	NMV1205SAC	
						5.2kV	69%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1205SAC	NMJ
							74.5%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1205SC	MEJ1
			12V	4.5V	18V	1kV	79%									●	0.861	0.323	0.445	21.87	8.2	11.30	NCS1S1205SC	NCS1
			12V	11.4V	12.6V	1kV	73.5%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S1205SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S1205SP3C	
			15V	13.5V	16.5V	1kV	77%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1505DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1505SC	
							83%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1505MC	MTE1
							83.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1505SC	MER1
							69%							●		●	0.24	0.77	0.39	6	19.5	10	NMR112C	NMR
						3kV	83.5%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1505DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1505SC	
							67%							●		●	0.24	0.77	0.39	6	19.5	10	NMV1505SAC	NMV
						5.2kV	74%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1505SC	MEJ1
			24V	9V	36V	1kV	82%									●	0.861	0.323	0.445	21.87	8.2	11.30	NCS1S2405SC	NCS1
			24V	21.6V	26.4V	1kV	75%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2405DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S2405SC	
							84%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S2405SC	MER1
							83%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S2405MC	MTE1

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
5V	0.2A	1W	24V	21.6V	26.4V	1kV	70%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME2405DC	NME2
														●		●	0.24	0.45	0.39	6	11.5	10	NME2405SC	
														●		●	0.24	0.77	0.39	6	19.5	10	NMR118C	NMR
						3kV	84%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S2405DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S2405SC	
						5.2kV	75%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S2405SC	MEJ1
			24V	22.8V	25.2V	1kV	73%									●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S2405SPC	MEF1
						3kV										●	0.774	0.242	0.40	19.65	6.15	10.15	MEF1S2405SP3C	
			48V	43.2V	52.8V	1kV	79.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S4805SC	MER1
						3kV	84%							●		●	0.24	0.77	0.39	6	19.5	10	MEV1S4805SC	MEV1
	0.3A	1.5W	5V	4.5V	5.5V	8kV	75%							●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1300AC	PWR13XXC
			12V	10.8V	13.2V	8kV	75%							●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1306AC	
	0.4A	2W	3.3V	2.97	3.63	1kV	79%						●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2S0305MC	MTU2
						5.2kV	74%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0305SC	MEJ2
			5V	4.5V	5.5V	1kV	82%						●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2S0505MC	MTU2
							81%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG0505SC	NMG
							78%							●		●	0.30	0.55	0.39	7.5	14	10	NML0505SC	NML
						3kV	80%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0505SAC	NMK
						5.2kV	75%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0505SC	MEJ2
					9V	1kV	66%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL0505SC	NDL
			12V	9V	18V	1kV	73%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL1205SC	NDL
				10.8V	13.2V		85%						●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2S1205MC	MTU2
							81%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG1205SC	NMG
							81%							●		●	0.30	0.55	0.39	7.5	14	10	NML1205SC	NML
						3kV	80%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1205SAC	NMK
						5.2kV	78%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1205SC	MEJ2
			15V	13.5V	16.5V	3kV	84%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1505SAC	NMK
						5.2kV	76%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1505SC	MEJ2
			24V	18V	36V	1kV	74%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL2405SC	NDL
			24V	21.6V	26.4V	1kV	80%						●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2S2405MC	MTU2
						3kV	84%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2405SAC	NMK
			48V	36V	72V	1kV	73%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL4805SC	NDL
	0.6A	3W	5V	4.5V	5.5V	1kV	83%							●		●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S0505SC	MEE3
						3kV	83%							●		●	0.4	0.77	0.3	10.2	19.7	7.7	MEV3S0505SC	MEV3
					9V	1kV	71%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS0505C	NDTS
							66%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY0505C	NDY
			12V	9V	18V		73%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS1205C	NDTS
							71%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY1205C	NDY
				10.8	13.2		85%									●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S1205SC	MEE3
						3kV	84%							●		●	0.4	0.77	0.3	10.2	19.7	7.7	MEV3S1205SC	MEV3
			24V	18V	36V	1kV	78%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS2405C	NDTS
							70%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY2405C	NDY
			48V	36V	72V		75%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS4805C	NDTS
							73%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY4805C	NDY
	1.2A	6W	12V	9V	36V	1.5kV	82%							●	●		1.26	0.79	0.39	32	20	10	NCS6S1205C	NCS6
			24V	18V	36V		82%							●	●		1.26	0.79	0.39	32	20	10	NDS6S2405C	NDS6
			48V	18V	75V		80%							●	●		1.26	0.79	0.39	32	20	10	NCS6S4805C	NCS6
			5V	4.5V	9V	5.2kV	80%								●		1.26	0.787	0.423	32	20	10.75	NCM6S0505C	NCM6
			12V	9V	36V		82%								●		1.26	0.787	0.423	32	20	10.75	NCM6S1205C	
			48V	18V	75V		78%								●		1.26	0.787	0.423	32	20	10.75	NCM6S4805C	
	1.96A	10W	24V	18V	36V	1.5kV	83%							●	●		0.98	1.26	0.39	25	32	10	NPH10S2405EIC	NPH10S
														●	●		0.98	1.26	0.39	25	32	10	NPH10S2405IC	
			48V	36V	75V	1.5kV	83%							●	●		0.98	1.26	0.39	25	32	10	NPH10S4805EIC	
														●	●		0.98	1.26	0.39	25	32	10	NPH10S4805IC	
	2.4A	12W	12V	9V	36V	1.5kV	88%							●			1.26	0.787	0.394	32	20	10	NCS12S1205C	NCS12
			48V	18V	75V		87.5%							●			1.26	0.787	0.394	32	20	10	NCS12S4805C	

Single output isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
5V	3A	15W	24V	9V	36V	1.5kV	87%							●			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-050-Q12P-C	UEI 15W
						1.6kV	88%							●			1	1	0.41	25.4	25.4	10.4	SPM15-050-Q12	SPM15
			24V	18V	36V	1.5kV	84%							●	●		0.98	1.97	0.39	25	50	10	NPH15S2405EIC	NPH15S
														●	●		0.98	1.97	0.39	25	50	10	NPH15S2405IC	
			48V	18V	75V	2.25kV	86%							●			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-050-Q48N-C	UEI15W
				36V	75V	1.5kV	85%							●	●		0.98	1.97	0.39	25	50	10	NPH15S4805EIC	NPH15S
														●	●		0.98	1.97	0.39	25	50	10	NPH15S4805IC	
			N/A	16V	160V	4kV	78%							●	●		2	2	0.79	50.8	50.8	20	RUW15SL05C	RUW15
							77%							●	●		2	2	0.79	50.8	50.8	20	RUW15SL05HC	
	5A	25W	24V	9V	36V	1.5kV	87.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-5/5000-Q12-C	UHE12-30W
			48V	18V	75V	1.5kV	90%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-5/5000-Q48-C	
				36V	75V	1.6kV	91%							●			1	1	0.41	25.4	25.4	10.4	SPM25-050-D48	SPM25
						1.5kV	89%	●						●	●		0.92	0.75	0.35	23.4	19.1	8.9	ULT-5/5-D48	ULT
						2.25kV	91%							●			1.1	0.32	0.96	27.9	8.13	24.4	UEI25-050-D48	UEI25
	6A	30W	24V	9V	36V	1.5kV	91.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-5/6000-Q12-C	UHE12-30W
						2.25kV	89.5%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-050-Q12P-C	UEI30
				36V	75V	1.5kV	91.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-5/6000-D48-C	UHE12-30W
			48V	18V	75V	1.5kV	91.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-5/6000-Q48-C	
						2.25kV	91%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-050-Q48N-C	UEI30
	10A	50W	24V	9V	36V	1.5kV	90%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-5/10-Q12PR-C	UEI50/60
			48V	18V	75V	2.25kV	91%		●								0.91	1.31	0.36	23.1	33.27	9.14	UWS-5/10-Q48	UWS
	12A	60W	24V	18V	36V	2kV	90%			●			●	●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-5/12-D24P-C	ULE20A
			48V	18V	75V	2.25kV	91%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-5/12-Q48NR-C	UEI50/60
			48V	36V	75V	2.25kV	90%			●			●	●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-5/12-D48N-C	ULE20A
									●				●				1.3	0.4	0.9	33.02	10.16	22.86	ULS-5/12-D48N-C	ULS
	15A	75W	12V	9V	36V	2.25kV	91%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-5/15-Q12P-C	UWE
			48V	18V	75V		90%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-5/15-Q48N-C	UWE
	17A	85W	12V	9V	36V	2kV	90.5%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-5/17-Q12P-C	UQQ7-15A
	20A	100W	48V	18V	75V	2.25kV	91%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-5/20-Q48N-C	
							89%			●							2.3	0.9	0.39	58.4	22.9	9.9	UWE-5/20-Q48-C	UWE-100-120W
				36V			91%		●								1.3	0.9	0.4	33	22.9	10.2	ULS-5/20-D48	ULS-100W
							89%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-5/20-D48N-C	UVQ
	30A	150W					92%			●							2.3	0.9	0.4	58.4	22.9	10.2	UEE-5/30-D48	UEE 150W
6V	0.167A	1W	5V	4.5V	5.5V	1kV	84%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0506MC	MTE1
							72%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0506MC	NTE
8.3V	22A	182.6W	48V	36V	75V	2.25kV	92.5%				●						2.3	0.4	1.45	58.4	10.2	36.8	HPQ-8.3/22-D48	HPQ
9V	0.028A	0.25W	5V	4.5V	5.5V	1kV	75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	LME0509DC	LME
														●		●	0.24	0.45	0.39	6	11.5	10	LME0509SC	
			12V	10.8V	13.2V	1kV	75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	LME1209DC	
														●		●	0.24	0.45	0.39	6	11.5	10	LME1209SC	
	0.1A	0.9W	24V	22.8V	25.2V	1kV	62%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMF2409DC	NMF
														●		●	0.24	0.77	0.39	6	19.5	10	NMF2409SC	
	0.111A	1W	3.3V	2.97V	3.63V	1kV	79%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0309DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0309SC	
							79%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0309ZC	MEU1
							85%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0309MC	MTE1
							77%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0309MC	NTE
						3kV	75%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0309DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE0309SC	
			5V	4.5V	5.5V	1kV	80%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0509DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0509SC	
							87%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S0509SC	MER1
							81%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0509ZC	MEU1
							85%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0509MC	MTE1
							86%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0509MC	MTU1
						1kV	77%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME0509DC	NME
														●		●	0.24	0.45	0.39	6	11.5	10	NME0509SC	
							75%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0509MC	NTE

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
9V	0.111A	1W	5V	4.5V	5.5V	3kV	86.5%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S0509DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S0509SC	
						3kV	75%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0509DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE0509SC	
						3kV	75%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV0509DAC	NMV
														●		●	0.24	0.77	0.39	6	19.5	10	NMV0509SAC	
						5.2kV	74%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S0509SC	MEJ1
							72%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0509SAC	NMJ
			12V	10.8V	13.2V	1kV	79%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1209DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1209SC	
							86.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1209SC	MER1
							84%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S1209ZC	MEU1
							86%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1209MC	MTE1
						1kV	87%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1209MC	MTU1
							74%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME1209DC	NME
														●		●	0.24	0.45	0.39	6	11.5	10	NME1209SC	
							73%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE1209MC	NTE
						3kV	86%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1209DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1209SC	
							78%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE1209DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE1209SC	
							74%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1209DAC	NMV
														●		●	0.24	0.77	0.39	6	19.5	10	NMV1209SAC	
						5.2kV	76.5%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1209SC	MEJ1
							73%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1209SAC	NMJ
			15V	13.5V	16.5V	1kV	77%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1509DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1509SC	
							86.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1509SC	MER1
							86%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1509MC	MTE1
						3kV	86.5%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1509DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1509SC	
						5.2kV	76%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1509SC	MEJ1
			24V	21.6V	26.4V	1kV	74%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2409DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S2409SC	
							86.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S2409SC	MER1
							86%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S2409MC	MTE1
							75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME2409DC	NME2
														●		●	0.24	0.45	0.39	6	11.5	10	NME2409SC	
						3kV	86.5%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S2409DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S2409SC	
						5.2kV	77%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S2409SC	MEJ1
			48V	43.2V	52.8V	1kV	83%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S4809SC	MER1
						3kV	82%							●		●	0.24	0.77	0.39	6	19.5	10	MEV1S4809SC	MEV1
	0.22A	2W	5V	4.5V	9V	1kV	71%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL0509SC	NDL
					5.5V		84%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG0509SC	NMG
							81%							●		●	0.30	0.55	0.39	7.5	14	10	NML0509SC	NML
						3kV	83%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0509SAC	NMK
						5.2kV	78%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0509SC	MEJ2
			12V	9V	18V	1kV	79%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL1209SC	NDL
			12V	10.8V	13.2V	1kV	83%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG1209SC	NMG
							84%							●		●	0.30	0.55	0.39	7.5	14	10	NML1209SC	NML
						3kV	83%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1209SAC	NMK
						5.2kV	79%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1209SC	MEJ2
			15V	13.5V	16.5V	3kV	86%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1509SAC	NMK
						5.2kV	78%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1509SC	MEJ2
			24V	18V	36V	1kV	81%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL2409SC	NDL
			24V	21.6V	26.4V	3kV	87%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2409SAC	NMK
			48V	36V	72V	1kV	80%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL4809SC	NDL

Single output isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
9V	0.333A	3W	5V	4.5V	5.5V	1kV	87%							●		●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S0509SC	MEE3
						3kV	87%							●		●	0.4	0.77	0.3	10.2	19.7	7.7	MEV3S0509SC	MEV3
					9V	1kV	72%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY0509C	NDY
			12V	9V	18V	1kV	78%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY1209C	NDY
				10.8	13.2	1kV	88%							●		●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S1209SC	MEE3
						3kV	87.5%							●		●	0.4	0.77	0.3	10.2	19.7	7.7	MEV3S1209SC	MEV3
			24V	18V	36V	1kV	78%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY2409C	NDY
			48V	36V	72V	1kV	80%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY4809C	
12V	0.021A	0.25W	5V	4.5V	5.5V	1kV	75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	LME0512DC	LME
														●		●	0.24	0.45	0.39	6	11.5	10	LME0512SC	
			12V	10.8V	13.2V	1kV	75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	LME1212DC	
														●		●	0.24	0.45	0.39	6	11.5	10	LME1212SC	
	0.063A	0.75W	5	4.5	5.5	1kV	77%									●	0.45	0.236	0.393	11.48	6	10	CME0512SC	CME
						3kV	75%									●	0.45	0.236	0.293	11.48	6	7.46	CME0512S3C	
	0.083A	1W	3.3V	2.97V	3.63V	1kV	81%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0312DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0312SC	
							81%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0312ZC	MEU1
							86%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0312MC	MTE1
							77%										0.30	0.5	0.26	7.7	12.7	6.6	NTE0312MC	NTE
			5V	4.5V	5.5V	1kV	81%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0512DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0512SC	
							87%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S0512SC	MER1
							83%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0512ZC	MEU1
							87%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0512MC	MTE1
							87%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0512MC	MTU1
							78%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME0512DC	NME
														●		●	0.24	0.45	0.39	6	11.5	10	NME0512SC	NME
							77%							●		●	0.24	0.77	0.39	6	19.5	10	NMR101C	NMR
													●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0512MC	NTE
						3kV	87%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S0512DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S0512SC	
							77%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0512DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE0512SC	
														●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV0512DAC	NMV
														●		●	0.24	0.77	0.39	6	19.5	10	NMV0512SAC	
						5.2kV	74%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S0512SC	MEJ1
							71%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0512SAC	NMJ
			5V	4.75V	5.25V	1kV	62%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMF0512DC	NMF
														●		●	0.24	0.77	0.39	6	19.5	10	NMF0512SC	
			12V	4.5V	18V	1kV	78%									●	0.861	0.323	0.445	21.87	8.2	11.30	NCS1S1212SC	NCS1
			12V	10.8V	13.2V	1kV	82%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1212DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1212SC	
							88.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1212SC	MER1
							86%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S1212ZC	MEU1
							88%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1212MC	MTE1
							88%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1212MC	MTU1
							76%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME1212DC	NME
														●		●	0.24	0.45	0.39	6	11.5	10	NME1212SC	
						3kV	88%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1212DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1212SC	
						1kV	76%							●		●	0.24	0.77	0.39	6	19.5	10	NMR107C	NMR
							74%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE1212MC	NTE
						3kV	79%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE1212DC	NKE
														●		●	0.24	0.45	0.29	6	11.5	7.5	NKE1212SC	
							77%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1212DAC	NMV
														●		●	0.24	0.77	0.39	6	19.5	10	NMV1212SAC	

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
12V	0.083A	1W	12V	10.8V	13.2V	5.2kV	76.5%								●	●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1212SC	MEJ1
							73%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1212SAC	NMJ
				11.4V	12.6V	1kV	62%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMF1212DC	NMF
														●		●	0.24	0.77	0.39	6	19.5	10	NMF1212SC	
			15V	13.5V	16.5V	1kV	78%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1512DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1512SC	
							87.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1512SC	MER1
							87%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1512MC	MTE1
							76%							●		●	0.24	0.77	0.39	6	19.5	10	NMR113C	NMR
						3kV	87.5%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1512DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1512SC	
							75%							●		●	0.24	0.77	0.39	6	19.5	10	NMV1512SAC	NMV
						5.2kV	76.5%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1512SC	MEJ1
			24V	9V	36V	1kV	83%									●	0.861	0.323	0.445	21.87	8.2	11.30	NCS1S2412SC	NCS1
			24V	21.6V	26.4V	1kV	79%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2412DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S2412SC	
							87.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S2412SC	MER1
							87%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S2412MC	MTE1
							80%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME2412DC	NME2
														●		●	0.24	0.45	0.39	6	11.5	10	NME2412SC	
							78%							●		●	0.24	0.77	0.39	6	19.5	10	NMR119C	NMR
						3kV	87.5%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S2412DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S2412SC	
						5.2kV	78%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S2412SC	MEJ1
				22.8V	25.2V	1kV	62%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMF2412DC	NMF
														●		●	0.24	0.77	0.39	6	19.5	10	NMF2412SC	
			48V	43.2V	52.8V	1kV	82.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S4812SC	MER1
						3kV	82							●		●	0.24	0.77	0.39	6	19.5	10	MEV1S4812SC	MEV1
	0.125A	1.5W	5V	4.5V	5.5V	8kV	75%							●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1301AC	PWR13XXC
			12V	10.8V	13.2V	8kV	75%							●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1307AC	
	0.167A	2W	5V	4.5V	9V	1kV	71%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL0512SC	NDL
					5.5V	1kV	85%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG0512SC	NMG
							84%							●		●	0.30	0.55	0.39	7.5	14	10	NML0512SC	NML
						3kV	83%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0512SAC	NMK
						5.2kV	77%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0512SC	MEJ2
			12V	9V	18V	1kV	80%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL1212SC	NDL
				10.8V	13.2V		85%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG1212SC	NMG
							85%							●		●	0.30	0.55	0.39	7.5	14	10	NML1212SC	NML
						3kV	85%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1212SAC	NMK
						5.2kV	80%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1212SC	MEJ2
			15V	13.5V	16.5V	3kV	87%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1512SAC	NMK
						5.2kV	79%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1512SC	MEJ2
			24V	18V	36V	1kV	83%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL2412SC	NDL
				21.6V	26.4V	3kV	88%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2412SAC	NMK
			48V	36V	72V	1kV	81%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL4812SC	NDL
	0.25A	3W	5V	4.5V	5.5V	1kV	86%							●		●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S0512SC	MEE3
						3kV	85.5%							●		●	0.4	0.77	0.3	10.2	19.7	7.7	MEV3S0512SC	MEV3
					9V	1kV	76%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS0512C	NDTS
							71%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY0512C	NDY
			12V	10.8V	13.2V	1kV	88%							●		●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S1212SC	MEE3
						3kV	88%							●		●	0.4	0.77	0.3	10.2	19.7	7.7	MEV3S1212SC	MEV3
				9V	18V	1kV	75%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS1212C	NDTS
							78%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY1212C	NDY
			24V	18V	36V	1kV	80%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS2412C	NDTS
														●	●		0.58	1.27	0.28	14.7	32.3	7	NDY2412C	NDY
			48V	36V	72V	1kV	80%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS4812C	NDTS
							81%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY4812C	NDY

Single output isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
12V	0.5A	6W	5V	4.5V	9V	5.2kV	82%								●		1.26	0.787	0.423	32	20	10.75	NCM6S0512C	NCM6
			12V	9V	36V		86%								●		1.26	0.787	0.423	32	20	10.75	NCM6S1212C	
						1.5kV	84%							●	●		1.26	0.79	0.39	32	20	10	NCS6S1212C	NCS6
			24V	18V	36V	1.5kV	87%							●	●		1.26	0.79	0.39	32	20	10	NDS6S2412C	NDS6
			48V	18V	75V	5.2kV	82%								●		1.26	0.787	0.423	32	20	10.75	NCM6S4812C	NCM6
						1.5kV	84%							●	●		1.26	0.79	0.39	32	20	10	NCS6S4812C	NCS6
	0.83A	10W	24V	18V	36V	1.5kV	86%							●	●		0.98	1.26	0.39	25	32	10	NPH10S2412EIC	NPH10S
							86%							●	●		0.98	1.26	0.39	25	32	10	NPH10S2412IC	
	1A	12W	12V	9V	36V	1.5kV	84.5%							●			1.26	0.787	0.394	32	20	10	NCS12S1212C	NCS12
			48V	18V	75V		84.5%							●			1.26	0.787	0.394	32	20	10	NCS12S4812C	
	1.25A	15W	24V	18V	36V	1.5kV	86%							●	●		0.98	1.97	0.39	25	50	10	NPH15S2412EIC	NPH15S
														●	●		0.98	1.97	0.39	25	50	10	NPH15S2412IC	
			48V	36V	75V	1.5kV	88%							●	●		0.98	1.97	0.39	25	50	10	NPH15S4812EIC	NPH15S
														●	●		0.98	1.97	0.39	25	50	10	NPH15S4812IC	
			N/A	16V	160V	4kV	78%							●	●		2	2	0.79	50.8	50.8	20	RUW15SL12C	RUW15
							77%							●	●		2	2	0.79	50.8	50.8	20	RUW15SL12HC	
	1.3A	15.6W	24V	9V	36V	1.6kV								●			1	1	0.41	25.4	25.4	10.4	SPM15-120-Q12	SPM15
						2.25kV	84.5%							●			0.96	0.32	1.1	24.4	8.1	27.9	UEI15-120-Q12	UEI15
			48V	18V	75V	1.6kV								●			1	1	0.41	25.4	25.4	10.4	SPM15-120-Q48	SPM15
						2.25kV	85%							●			0.96	0.32	1.1	24.4	8.1	27.9	UEI15-120-Q48	UEI15
	2.10A	25.2W	48V	36V	75V	1.6kV	87%							●			1	1	0.41	25.4	25.4	10.4	SPM25-120-D48	SPM25
						2.25kV	87.5%							●			1.1	0.32	0.96	27.9	8.13	24.4	UEI25-120-D48	UEI25
	2.5A	30W	12V	9V	18V	1.5kV	89%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-12/2500-D12-C	UHE 12-30W
			24V	9V	36V		87.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-12/2500-Q12-C	
				18V			90%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-12/2500-D24-C	
				9V	36V	2.25kV	89%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-120-Q12P-C	UEI30
			48V	18V	75V	1.5kV	90.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-12/2500-Q48-C	UHE 12-30W
				36V			92%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-12/2500-D48-C	
				18V	75V	2.25kV	89%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-120-Q48N-C	UEI30
				36V	75V	1.5kV	91%	●						●	●		0.92	0.75	0.35	23.4	19.1	8.9	ULT-12/2.5-D48	ULT
						2.25kV	87.7%		●								0.9	1.3	0.36	22.9	33.02	9.14	ULS-12/2.5-D48	ULS-30W
	4.2A	50.4W	24V	9V	36V	2.25kV	89.5%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-12/4.2-Q12P-C	UEI-50/60
				18V		2kV	91%			●			●	●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-12/4.2-D24P-C	ULE 20A
			48V	36V	75V	2.25kV	92%			●			●	●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-12/4.2-D48N-C	ULE 20A
	4.5A	54W		18V	75V	2.25kV	91%		●								0.91	1.31	0.36	23.1	33.27	9.14	UWS-12/4.5-Q48	UWS
	5A	60W			75V	2.25kV	89.8%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-12/5-Q48N-C	UEI-50/60
				36V			91%		●				●				1.3	0.4	0.9	33.02	10.16	22.86	ULS-12/5-D48N-C	ULS
	6A	72W	12V	9V	36V	2.25kV	91.5%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-12/6-Q12P-C	UWE
			48V	18V	75V		91%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-12/6-Q48N-C	
	8A	96W	12V	9V	36V	2kV	89%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-12/8-Q12P-C	UQQ7-15A
			24V	18V			90%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-12/8-D24P-C	UVQ
					75V	2.25kV	88.5%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-12/8-Q48N-C	UQQ7-15A
	8.3A	99.6W	48V	36V	75V	2.25kV	92%		●								1.3	0.9	0.4	33	22.9	10.2	ULS-12/8.3-D48	ULS-100W
	10A	120W		18V	75V	2.25kV	91.5%			●				●			2.3	0.9	0.39	58.4	22.9	9.9	UWE-12/10-Q48-C	UWE-100-120W
				36V	75V	2.25kV	93%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-12/10-D48N-C	UVQ
	12.5A	150W					93%			●							2.3	0.9	0.4	58.4	22.9	10.2	UEE-12/12.5-D48	UEE 150W
	17A	204W		18V	75V	2.25kV	92%				●						2.3	1.45	0.46	58.4	36.8	11.7	UWQ-12/17-Q48	UWQ
	20A	234W		36V			94.5%			●							2.3	0.9	0.4	58.4	22.9	10.2	RBE-12/20-D48	RBE
	25A	300W					93.5%				●			●			2.3	1.45	0.44	58.4	36.8	11.2	HPQ-12/25-D48	HPQ
	33A	391W					96%				●						2.3	1.45	0.5	58.4	36.8	12.7	RBQ-12/33-D48	RBQ
15V	0.016A	0.25W	5V	4.5V	5.5V	1kV	75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	LME0515DC	LME
														●		●	0.24	0.45	0.39	6	11.48	10	LME0515SC	
			12V	10.8V	13.2V	1kV	75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	LME1215DC	
														●		●	0.24	0.45	0.39	6	11.48	10	LME1215SC	
	0.067A	1W	3.3V	2.97V	3.63V	1kV	82%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0315DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0315SC	
							81%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0315ZC	MEU1

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
15V	0.067A	1W	3.3V	2.97V	3.63V	1kV	86%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0315MC	MTE1
							77%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0315MC	NTE
			5V	4.5V	5.5V	1kV	83%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S0515DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S0515SC	
							87.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S0515SC	MER1
							83%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S0515ZC	MEU1
							88%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S0515MC	MTE1
							87%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S0515MC	MTU1
							80%							●	●		0.39	0.45	0.28	9.8	11.5	6.8	NME0515DC	NME
														●		●	0.24	0.45	0.39	6	11.48	10	NME0515SC	
							79%							●		●	0.24	0.77	0.39	6	19.5	10	NMR102C	NMR
							78%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE0515MC	NTE
						3kV	87.5%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S0515DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S0515SC	
							78%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE0515DC	NKE
														●		●	0.236	0.45	0.29	6	11.48	7.5	NKE0515SC	
							78%							●	●		0.39	0.77	0.26	9.8	19.5	6.8	NMV0515DAC	NMV
														●		●	0.24	0.77	0.39	6	19.5	10	NMV0515SAC	
						5.2kV	75%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S0515SC	MEJ1
							71%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0515SAC	NMJ
				4.75V	5.25V	1kV	62%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMF0515DC	NMF
														●		●	0.24	0.77	0.39	6	19.5	10	NMF0515SC	
			12V	10.8V	13.2V	1kV	81%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1215DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1215SC	
							88%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1215SC	MER1
							87%							●			0.327	0.240	0.313	8.3	6.1	7.95	MEU1S1215ZC	MEU1
							88%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1215MC	MTE1
							88%						●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1S1215MC	MTU1
							75%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME1215DC	NME
							75%							●		●	0.24	0.45	0.39	6	11.5	10	NME1215SC	
							76%							●		●	0.24	0.77	0.39	6	19.5	10	NMR108C	NMR
							75%						●				0.30	0.5	0.26	7.7	12.7	6.6	NTE1215MC	NTE
						3kV	88%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1215DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1215SC	
							81%							●	●		0.39	0.45	0.21	9.8	11.5	5.4	NKE1215DC	NKE
														●		●	0.24	0.45	0.29	6	11.48	7.46	NKE1215SC	
							77%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1215DAC	NMV
							77%							●		●	0.24	0.77	0.39	6	19.5	10	NMV1215SAC	
						5.2kV	77%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1215SC	MEJ1
							74%							●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1215SAC	NMJ
				11.4V	12.6V	1kV	62%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMF1215DC	NMF
														●		●	0.24	0.77	0.39	6	19.5	10	NMF1215SC	
			15V	13.5V	16.5V	1kV	83%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S1515DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S1515SC	
							89%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S1515SC	MER1
							88%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S1515MC	MTE1
							75%							●		●	0.24	0.45	0.39	6	11.48	10	NME1515SC	NME
							76%							●		●	0.24	0.77	0.39	6	19.5	10	NMR114C	NMR
						3kV	89%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S1515DC	MEV1
														●		●	0.24	0.77	0.39	6	19.5	10	MEV1S1515SC	
							77%							●		●	0.24	0.77	0.39	6	19.5	10	NMV1515SAC	NMV
						5.2kV	76.5%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S1515SC	MEJ1
			24V	21.6V	26.4V	1kV	78%								●		0.39	0.45	0.27	9.8	11.5	6.8	MEE1S2415DC	MEE1
																●	0.24	0.45	0.39	6	11.5	10	MEE1S2415SC	
							87.5%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S2415SC	MER1
							88%						●				0.5	0.43	0.27	12.7	11	7.05	MTE1S2415MC	MTE1
							80%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME2415DC	NME2
														●		●	0.24	0.45	0.39	6	11.5	10	NME2415SC	

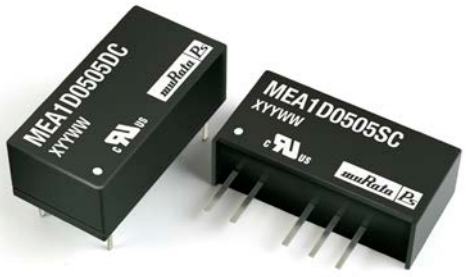
Single output isolated

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style									Package Dimensions						Further Information	
								Bricks									Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
15V	0.067A	1W	24V	21.6V	26.4V	1kV	80%							●		●	0.24	0.77	0.39	6	19.5	10	NMR120C	NMR
						3kV	84%							●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1S2415DC	MEV1
							83%							●		●	0.24	0.77	0.39	6	19.5	10	MEV1S2415SC	
						5.2kV	78%									●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1S2415SC	MEJ1
				22.8V	25.2V	1kV	62%							●	●		0.39	0.77	0.26	9.8	19.5	6.8	NMF2415DC	NMF
														●		●	0.24	0.77	0.39	6	19.5	10	NMF2415SC	
			48V	43.2V	52.8V	1kV	83%							●		●	0.24	0.77	0.39	6	19.5	10	MER1S4815SC	MER1
						3kV	82.5%							●		●	0.24	0.77	0.39	6	19.5	10	MEV1S4815SC	MEV1
	0.10A	1.5W	12V	10.8V	13.2V	8kV	75%							●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1308AC	PWR13XXC
	0.134A	2W	5V	4.5V	9V	1kV	73%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL0515SC	NDL
					5.5V	1kV	85%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG0515SC	NMG
							83%							●		●	0.30	0.55	0.39	7.5	14	10	NML0515SC	NML
						3kV	85%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0515SAC	NMK
						5.2kV	79%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S0515SC	MEJ2
			12V	9V	18V	1kV	81%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL1215SC	NDL
				10.8V	13.2V	1kV	85%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMG1215SC	NMG
							85%							●		●	0.295	0.55	0.39	7.5	14	10	NML1215SC	NML
						3kV	84%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1215SAC	NMK
						5.2kV	80%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1215SC	MEJ2
			15V	13.5V	16.5V	3kV	88%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1515SAC	NMK
						5.2kV	78%							●		●	0.77	0.39	0.5	19.65	9.95	12.65	MEJ2S1515SC	MEJ2
			24V	18V	36V	1kV	83%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL2415SC	NDL
			24V	21.6V	26.4V	3kV	88%							●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2415SAC	NMK
			48V	36V	72V	1kV	82%							●		●	0.36	0.86	0.44	9.2	21.8	11.1	NDL4815SC	NDL
	0.2A	3W	5V	4.5	5.5	1kV	88%							●		●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S0515SC	MEE3
						3kV	87.5%							●		●	0.24	0.77	0.39	6	19.5	10	MEV3S0515SC	MEV3
					9V	1kV	77%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS0515C	NDTS
							73%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY0515C	NDY
			12V	9V	18V	1kV	76%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS1215C	NDTS
							79%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY1215C	NDY
				10.8V	13.2V	1kV	89%							●		●	0.56	0.32	0.4	14.15	8.15	10.15	MEE3S1215SC	MEE3
						3kV	89%							●		●	0.24	0.77	0.39	6	19.5	10	MEV3S1215SC	MEV3
			24V	18V	36V	1kV	84%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS2415C	NDTS
							82%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY2415C	NDY
			48V	36V	72V	1kV	80%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDTS4815C	NDTS
							81%							●	●		0.58	1.27	0.28	14.7	32.3	7	NDY4815C	NDY
	0.4A	6W	24V	18V	36V	1.5kV	87%							●	●		1.26	0.79	0.39	32	20	10	NDS6S2415C	NDS6
			5V	4.5	9V	5.2kV	82%								●		1.26	0.787	0.423	32	20	10.75	NCM6S0515C	NCM6
			12V	9V	36V		87%								●		1.26	0.787	0.423	32	20	10.75	NCM6S1215C	
			48V	18V	75V		83%								●		1.26	0.787	0.423	32	20	10.75	NCM6S4815C	
	0.67A	10W	24V	18V	36V	1.5kV	86%							●	●		0.98	1.26	0.39	25	32	10	NPH10S2415EIC	NPH10S
														●	●		0.98	1.26	0.39	25	32	10	NPH10S2415IC	
	0.8A	12W	12V	9V	36V	1.5kV	85.5%							●			1.26	0.787	0.394	32	20	10	NCS12S1215C	NCS12
			48V	18V	75V		85%							●			1.26	0.787	0.394	32	20	10	NCS12S4815C	
	1A	15W	24V	18V	36V	1.5kV	87%							●	●		0.98	1.97	0.39	25	50	10	NPH15S2415EIC	NPH15S
														●	●		0.98	1.97	0.39	25	50	10	NPH15S2415IC	
			48V	36V	75V	1.5kV	89%							●	●		0.98	1.97	0.39	25	50	10	NPH15S4815EIC	NPH15S
														●	●		0.98	1.97	0.39	25	50	10	NPH15S4815IC	
	1.1A	16.5W	24V	9V	36V	1.6kV	84%							●			1	1	0.41	25.4	25.4	10.4	SPM15-150-Q12	SPM15
						2.25kV	85%							●			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-150-Q12	UEI 15W
			48V	18V	75V	1.6kV	84.5%							●			1	1	0.41	25.4	25.4	10.4	SPM15-150-Q48	SPM15
						2.25kV	85.3%							●			1.1	0.96	0.36	27.9	24.4	9.1	UEI15-150-Q48	UEI 15W
	2A	30W	12V	9V	18V	1.5kV	89%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-D12-C	UHE 12-30W
			24V	9V	36V	1.5kV	92%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-Q12-C	
						2.25kV	89%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-150-Q12P-C	UEI30
				18V	36V	1.5kV	90%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-D24-C	UHE 12-30W
			48V	18V	75V	1.5kV	90.5%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-Q48-C	
						2.25kV	89.5%							●			1.92	0.35	0.92	48.8	8.9	23.4	UEI30-150-Q48N-C	UEI30
				36V	75V	1.5kV	92%							●			2	1.6	0.4	50.8	40.6	10.2	UHE-15/2000-D48-C	UHE 12-30W
						2.25kV	89%		●								0.9	1.3	0.36	22.9	33.02	9.14	ULS-15/2-D48	ULS-30W

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style								Package Dimensions						Further Information	
								Bricks								Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/32	1/16	1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
15V	3.3A	49.5W	24V	9V	36V	2.25kV	90%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-15/3.3-Q12P-C	UEI-50/60
	4A	60W	48V	18V	75		89.3%							●			1.95	1.55	0.375	49.5	39.4	9.5	UEI-15/4-Q48N-C	
	5A	75W	12V	9V	36	2.25kV	91.5%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-15/5-Q12P-C	UWE
	7A	105W	12V	9V	36V	2kV	90.5%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-15/7-Q12P-C	UQQ7-15A
			24V	18V	36V	2kV	93%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-15/7-D24P-C	UVQ
			48V	36V	75V	2.25kV	94%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-15/7-D48N-C	
18V	5.6A	100.8W	24V	18V	36V	2kV	90%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-18/5.6-D24P-C	UVQ
	6A	108W	48V	36V	75V	2.25kV	93%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-18/6-D48N-C	
24V	0.042A	1W	5V	4.5V	5.5V	1kV	80%							●	●		0.39	0.45	0.27	9.8	11.5	6.8	NME0524DC	NME
														●		●	0.24	0.45	0.39	6	11.5	10	NME0524SC	
						3kV	80%									●	0.77	0.236	0.394	19.5	6	10	MMV1S0524SC	MMV1
	0.083A	2W				1kV	80%						●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2S0524MC	MTU2
	0.625A	15W	N/A	16V	160V	4kV	78%							●	●		2	2	0.79	50.8	50.8	20	RUW15SL24C	RUW15
							77%							●	●		2	2	0.79	50.8	50.8	20	RUW15SL24HC	
	3A	72W	12V	9V	36V	2.25kV	89.5%			●				●			2.3	0.38	0.9	58.4	9.7	22.9	UWE-24/3-Q12P-C	UWE
			48V	36V	75V		94%			●				●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-24/3-D48N-C	ULE20A
	4A	96W	12V	9V	36V	2kV	89%				●			●			2.22	1.45	0.43	56.4	36.8	10.9	UQQ-24/4-Q12P-C	UQQ 7-15A
	4.5A	108W	24V	18V	36V	2kV	88%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-24/4.5-D24P-C	UVQ
			48V	36V	75V	2.25kV	89%				●			●			2.3	1.45	0.42	58.42	36.8	10.7	UVQ-24/4.5-D48N-C	
28V	12.5A	350W	48V	36V	75V	2.25kV	93%					●					2.3	2.4	0.5	58.4	60.9	12.7	PAH-28/12.5-D48	PAH-28V, 350W
	16A	450W					93.5%					●					2.3	2.4	0.5	58.4	60.9	12.7	PAH-28/16-D48	PAH-28V, 450W
29V	5	150W	48V	36V	75V	2.25kV	92.5%				●						2.3	1.45	0.46	58.42	36.8	11.7	PAQ-29/5-D48-C	PAQ
29.8V	3.3A	98.34W	48V	36V	75V	1.5kV	92.5%			●							2.3	0.9	0.44	58.4	22.9	11.1	PAE-29/3-D48	PAE
48V	1.25A	60W	48V	36V	75V	2.25kV	92.5%			●				●			2.3	0.9	0.41	58.4	22.9	10.4	ULE-48/1.25-D48N-C	ULE20A
	2.5A	120W					91.5%				●			●			2.3	1.45	0.42	58.4	36.8	10.7	UVQ-48/2.5-D48N-C	UVQ
	8.5A	408W					94%					●					2.3	2.4	0.5	58.4	60.9	12.7	PAH-48/8.5-D48	PAH-53V, 450W
53V	8.5A	450W	48V	36V	75V	2.25kV	94%					●					2.3	2.4	0.5	58.4	60.9	12.7	PAH-53/8.5-D48	PAH-53V, 450W
54V	3A	162W	48V	18V	72V	2.25kV	91.5%			●							2.4	2.3	0.43	61.0	58.4	10.92	EMH-54/3-Q48N-C	EMH
96V	0.10	9.600	48V	36V	75V	1.5kV	88%							●			2	1	0.4	50.8	25.4	10.2	UWR-96/100-D48A-C	UWR-96-100

Dual output

Bipolar isolated DC-DC converters



For analog/linear and other applications requiring bipolar/symmetric rail voltages, Murata Power Solutions' isolated duals generate ±3.3V, ±5V, ±12V or ±15V outputs from a single input voltage. Not surprisingly, our offering is the industry's broadest.

We offer bipolar duals with output power ranges from 0.75 to 20 Watts, input voltage ranges from 3 to 75 Volts, and package styles from sub-miniature SIPs, DIPs and SMDs to traditional 2" x 2" (51 x 51mm) through-hole devices. Isolation voltages run as high as 8,000Vdc. When relevant, all products offer UL/EN safety certifications, CE marks, and EMI/EMC testing.

If your available voltage is anywhere between 3.3 and 75 Volts and your need is ±3.3V, ±5V, ±12V or ±15V at moderate power levels – in a small area – we've got your solution.

Quick selection guide Listed by output power

	Vout ±3.3V	±5V	±9V	±12V	±15V	±24V	Series
<1W				●	●		CMR
1W		●	●	●	●		MEA1
	●	●	●	●	●		MEJ1
		●	●	●	●		MEV1
		●	●	●	●		MTU1
	●	●	●	●	●		NKA
		●	●	●	●		NMA
		●	●	●	●		NMJ
		●	●	●	●		NMV
	●	●	●	●	●		NTA
		●	●	●	●		NTV
1.5W		●		●	●		PWR13XXC
					●		PWR1726AC

	Vout ±3.3V	±5V	±9V	±12V	±15V	±24V	Series
2W	●	●	●	●	●		MEJ2
		●		●			MTU2
		●	●	●	●	●	NMH
		●	●	●	●		NMK
		●	●	●	●		NMS
		●	●	●	●		NTH
3W				●	●		NDH
	●	●		●	●		NDTD
					●		PWR70C

	Vout ±3.3V	±5V	±9V	±12V	±15V	±24V	Series
5W					●		PWR1546AC
6W		●		●	●		NCM6
		●		●	●		NCS6
		●		●	●		NDS6
12W		●		●	●		NCS12
15W		●		●	●		BEI

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
±3.3V	±0.152A	1W	3.3V	2.97V	3.63V	1kV	75%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA0303MC	NTA
						3kV	74%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0303DC	NKA
												●		●	0.23	0.65	0.3	6.0	16.6	7.6	NKA0303SC	
			5V	4.5V	5.5V	1kV	77%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA0503MC	NTA
						3kV	77%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0503DC	NKA
												●		●	0.23	0.65	0.3	6	16.6	7.6	NKA0503SC	
						5.2kV	70%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D0503SC	MEJ1
			12	10.8V	13.2V	5.2kV	73%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1203SC	
	±.303A	2W	5V	4.5V	5.5V	5.2kV	71%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0503SC	MEJ2
			12	10.8V	13.2V	5.2kV	75%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1203SC	
	±0.454A	3W	5V	4.5V	9V	1kV	67%					●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD0503C	NDTD
			12V	9V	18V	1kV	73%					●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD1203C	
			24V	18V	36V	1kV	73%					●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD2403C	
			48V	36V	75V	1kV	72%					●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD4803C	
±5V	±0.1A	1W	3.3V	2.97V	3.63V	1kV	83%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0305MC	MTU1
							78%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTA0305MC	NTA
						3kV	79%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0305DC	NKA
												●		●	0.23	0.65	0.30	6.0	16.6	7.6	NKA0305SC	

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
±5V	±0.1A	1W	5V	4.5V	5.5V	1kV	85%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D0505DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D0505SC	
							84%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0505MC	MTU1
							69%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA0505DC	NMA
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMA0505SC	
							69%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTA0505MC	NTA
							80%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTA0505MEC	
						3kV	85%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D0505DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D0505SC	
							70%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0505DC	NKA
							80%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0505DEC	
							70%					●		●	0.23	0.65	0.30	6.0	16.6	7.6	NKA0505SC	
							80%					●		●	0.23	0.65	0.30	6.0	16.6	7.6	NKA0505SEC	
							71.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV0505DC	NMV
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMV0505SC	
							71%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTV0505MC	NTV
						5.2kV	72%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D0505SC	MEJ1
							60%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0505SC	NMJ
			12V	10.8V	13.2V	1kV	85%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D1205MC	MTU1
							84.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1205DC	MEA1
							85%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1205SC	
							69%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA1205DC	NMA
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMA1205SC	
							69%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTA1205MC	NTA
						3kV	85%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1205DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1205SC	
							74%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA1205DC	NKA
												●		●	0.23	0.65	0.30	6.0	16.6	7.6	NKA1205SC	
							71%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1205DC	NMV
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMV1205SC	
							73%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTV1205MC	NTV
						5.2kV	75.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1205SC	MEJ1
							60%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1205SC	NMJ
			15V	13.5V	16.5V	1kV	84%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1505DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1505SC	
							71%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA1505DC	NMA
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMA1505SC	
						3kV	84.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1505DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1505SC	
							69					●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMV1505SC	NMV
						5.2kV	75%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1505SC	MEJ1
			24V	21.6V	26.4V	1kV	84.5					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D2405DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D2405SC	
						3kV	84%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D2405DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D2405SC	
						5.2kV	76.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D2405SC	MEJ1
			48V	43.2V	52.8V	1kV	80%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D4805SC	MEA1
						3kV	80					●		●	0.24	0.77	0.39	6	19.5	10	MEV1D4805SC	MEV1
	±0.15A	1.5W	5V	4.5V	5.5V	8kV	75%					●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1303AC	PWR13XXC
			12V	10V	13.2V	8kV	75%					●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1309AC	
	±0.2A	2W	5V	4.5V	5.5V	1kV	82%				●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2D0505MC	MTU2
							80%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH0505DC	NMH
												●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH0505SC	
						1kV	80%				●				0.50	0.70	0.21	12.7	17.8	6.0	NTH0505MC	NTH
						3kV	83%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0505SC	NMK
						5.2kV	76%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0505SC	MEJ2
						6kV	74%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS0505C	NMS
			12V	10.8V	13.2V	1kV	80%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH1205DC	NMH
												●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH1205SC	
						1kV	80%				●				0.50	0.70	0.21	12.7	17.8	6.0	NTH1205MC	NTH

Dual output bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style						Package Dimensions						Further Information	
								Bricks						Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H		
±5V	±0.2A	2W	12V	10.8V	13.2V	3kV	84%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1205SC	NMK
						5.2kV	79%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1205SC	MEJ2
						6kV	78%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS1205C	NMS
			15V	13.5V	16.5V	3kV	84%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1505SC	NMK
						5.2kV	78%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1505SC	MEJ2
			24V	21.6V	26.4V	1kV	81%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH2405DC	NMH
												●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH2405SC	
						3kV	84%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2405SC	NMK
			48V	43V	52.8V	1kV	82%					●	●		0.39	0.77	0.303	9.8	19.5	7.7	NMH4805DC	NMH
				43.2V	52.8V	1kV	82%					●		●	0.3	0.77	0.4	7.5	19.5	10.0	NMH4805SC	
	±0.3A	3W	12V	9V	18V	1kV	75%					●	●		0.58	1.27	0.27	14.7	32.3	7	NDTD1205C	NDTD
			24V	18V	36V		78%					●	●		0.58	1.27	0.27	14.7	32.3	7	NDTD2405C	
			48V	36V	75V		76%					●	●		0.58	1.27	0.27	14.7	32.3	7	NDTD4805C	
	±0.6A	6W	5V	4.5V	9V	5.2kV	80%						●		1.26	0.787	0.423	32	20	10.75	NCM6D0505C	NCM6
			12V	9V	36V		83%						●		1.26	0.787	0.423	32	20	10.75	NCM6D1205C	
						1.5kV	82%					●	●		1.26	0.79	0.39	32	20	10	NCS6D1205C	NCS6
			24V	18V	36V		83%					●	●		1.26	0.79	0.39	32	20	10	NDS6D2405C	NDS6
			48V	18V	75V	5.2kV	80%						●		1.26	0.787	0.423	32	20	10.75	NCM6D4805C	NCM6
						5kV	80%					●	●		1.26	0.79	0.39	32	20	10	NCS6D4805C	NCS6
	±1.2A	12W	12V	9V	36V	1.5kV	81.5%						●		1.26	0.787	0.394	32	20	10	NCS12D1205C	NCS12
			48V	18V	75V		80%						●		1.26	0.787	0.394	32	20	10	NCS12D4805C	
	±1.5A	15W	24V	9V	36V	2.25kV	84%					●			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-050-Q12	BEI15-Series
			48V	18V	75V		83.5%					●			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-050-Q48	
±9V	±0.055A	1W	3.3V	2.97V	3.63V	3kV	75%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0309DC	NKA
												●		●	0.23	0.65	0.3	6	16.6	7.6	NKA0309SC	
											●				0.3	0.6	0.26	7.7	15.2	6.6	NTA0309MC	NTA
			5V	4.5V	5.5V	1kV	86.7					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D0509DC	MEA1
							86.5					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D0509SC	
							75%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA0509DC	NMA
												●		●	0.24	0.77	0.39	6	19.5	10	NMA0509SC	
							75%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA0509MC	NTA
						3kV	76%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0509DC	NKA
												●		●	0.23	0.65	0.3	6	16.6	7.6	NKA0509SC	
							76%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV0509DC	NMV
												●		●	0.24	0.77	0.39	6	19.5	10	NMV0509SC	
							77%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTV0509MC	NTV
						5.2kV	74%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D0509SC	MEJ1
							65%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0509SC	NMJ
			12V	10.8V	13.2V	1kV	86.5					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1209DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1209SC	
							74%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA1209DC	NMA
												●		●	0.24	0.77	0.39	6	19.5	10.0	NMA1209SC	
						3kV	79%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA1209DC	NKA
												●		●	0.23	0.65	0.30	6	16.6	7.6	NKA1209SC	
						5.2kV	77%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1209SC	MEJ1
							65%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1209SC	NMJ
			12V	10.8V	13.2V	1kV	74%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA1209MC	NTA
						3kV	74%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1209DC	NMV
						3kV	74%					●		●	0.24	0.77	0.39	6	19.5	10	NMV1209SC	
						3kV	79%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTV1209MC	NTV
			15V	13.5V	16.5V	1kV	87%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1509DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1509SC	
						5.2kV	76.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1509SC	MEJ1
			24V	21.6V	26.4V	1kV	87%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D2409DC	MEA1
							87.5%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D2409SC	
						5.2kV	78%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D2409SC	MEJ1
			48V	43.2V	52.8V	1kV	82%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D4809SC	MEA1
	±0.056A		5	4.5	5.5	1kV	86%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0509MC	MTU1
						3kV	87%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D0509DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D0509SC	

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
±9V	±0.056A	1W	12	10.8	13.2	1kV	87%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D1209MC	MTU1
						3kV	87%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1209DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1209SC	
			15V	13.5V	16.5V		87%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1509DC	
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1509SC	
			24V	21.6V	26.4V		86%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D2409DC	
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D2409SC	
			48V	43.2V	52.8V		83%					●		●	0.39	0.77	0.27	9.8	19.5	6.8	MEV1D4809SC	
	±0.111A	2W	5V	4.5V	5.5V	5.2kV	79%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0509SC	MEJ2
			12	10.8V	13.2V	5.2kV	81%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1209SC	
			15V	13.5V	16.5V	5.2kV	80%					●		●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1509SC	
			5V	4.5V	5.5V	1kV	81%					●	●		0.39	0.77	0.3	9.8	19.5	7.7	NMH0509DC	NMH
												●		●	0.3	0.77	0.4	7.5	19.5	10	NMH0509SC	
							81%				●				0.5	0.7	0.21	12.7	17.8	6.0	NTH0509MC	NTH
						3kV	86%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0509SC	NMK
						6kV	76%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS0509C	NMS
			12V	10.8V	13.2V	1kV	83%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH1209DC	NMH
							83%					●		●	0.3	0.77	0.4	7.5	19.5	10	NMH1209SC	
							83%				●				0.5	0.7	0.21	12.7	17.8	6.0	NTH1209MC	NTH
						3kV	87%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1209SC	NMK
						6kV	81%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS1209C	NMS
			15V	13.5V	16.5V	3kV	86%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1509SC	NMK
			24V	21.6V	26.4V	1kV	85%					●	●		0.39	0.77	0.3	9.8	19.5	7.7	NMH2409DC	NMH
												●		●	0.3	0.77	0.4	7.5	19.5	10	NMH2409SC	
						3kV	87%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2409SC	NMK
			48V	43.2V	52.8V	1kV	82%					●	●		0.39	0.77	0.3	9.8	19.5	7.7	NMH4809DC	NMH
												●		●	0.3	0.77	0.4	7.5	19.5	10	NMH4809SC	
±12V	±0.031A	0.75W	5V	4.5V	5.5V	3kV	68%							●	0.77	0.236	0.394	19.5	6	10	CMR0512S3C	CMR
	±0.042A	1W	3.3V	2.97V	3.63V	1kV	77%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA0312MC	NTA
						3kV	78%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0312DC	NKA
												●		●	0.23	0.65	0.3	6	16.6	7.6	NKA0312SC	
			5V	4.5V	5.5V	1kV	87%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D0512DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D0512SC	
							87%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0512MC	MTU1
							78%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0512DC	NKA
												●		●	0.23	0.65	0.3	6	16.6	7.6	NKA0512SC	
							77%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA0512DC	NMA
												●		●	0.24	0.77	0.39	6	19.5	10	NMA0512SC	
							77%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA0512MC	NTA
						3kV	87.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D0512DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D0512SC	
							78%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV0512DC	NMV
												●		●	0.24	0.77	0.39	6	19.5	10	NMV0512SC	
							79%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTV0512MC	NTV
						5.2kV	74.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D0512SC	MEJ1
							65%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0512SC	NMJ
			12V	10.8V	13.2V	1kV	89%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1212DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1212SC	
							88%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D1212MC	MTU1
							75%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA1212DC	NMA
												●		●	0.24	0.77	0.39	6	19.5	10	NMA1212SC	
							75%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA1212MC	NTA
						3kV	89.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1212DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1212SC	
							81%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA1212DC	NKA
												●		●	0.23	0.65	0.30	6	16.6	7.6	NKA1212SC	
							75%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1212DC	NMV
												●		●	0.24	0.77	0.39	6	19.5	10	NMV1212SC	
							80%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTV1212MC	NTV

Dual output bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
±12V	±0.042A	1W	12V	10.8V	13.2V	5.2kV	76.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1212SC	MEJ1
							65%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1212SC	NMJ
			15V	13.5V	16.5V	1kV	87.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1512DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1512SC	
							78%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA1512DC	NMA
														●	0.24	0.77	0.39	6	19.5	10	NMA1512DC	
						3kV	88%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1512DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1512SC	
							75%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMV1512SC	NMV
						5.2kV	77%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1512SC	MEJ1
			24V	21.6V	26.4V	1kV	87%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D2412DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D2412SC	
						3kV	88%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D2412DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D2412SC	
						5.2kV	78%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D2412SC	MEJ1
			48V	43.2V	52.8V	1kV	83%					●		●	0.39	0.77	0.27	9.8	19.5	6.8	MEA1D4812SC	MEA1
						3kV	84%					●		●	0.24	0.77	0.39	6	19.5	10	MEV1D4812SC	MEV1
	±0.063A	1.5W	5V	4.5V	5.5V	8kV	75%					●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1304AC	PWR13XXC
			12V	10.8V	13.2V	8kV	75%					●	●		1.27	0.81	0.4	32.3	20.5	10.2	PWR1310AC	
	±0.083A	2W	5V	4.5V	5.5V	1kV	85%				●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2D0512MC	MTU2
							82%					●	●		0.39	0.77	0.3	9.8	19.5	7.7	NMH0512DC	NMH
												●		●	0.3	0.77	0.4	7.5	19.5	10	NMH0512SC	
							82%				●				0.5	0.7	0.21	12.7	17.8	6.0	NTH0512MC	NTH
						3kV	87%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0512SC	NMK
						6kV	77%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS0512C	NMS
			12V	10.8V	13.2V	1kV	83%				●				0.323	0.331	0.335	8.2	8.4	8.50	MTU2D1212MC	MTU2
							84%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH1212DC	NMH
												●		●	0.3	0.77	0.4	7.5	19.5	10	NMH1212SC	NMH
							84%				●				0.5	0.7	0.21	12.7	17.8	6.0	NTH1212MC	NTH
						3kV	87%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1212SC	NMK
						6kV	82%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS1212C	NMS
			15V	13.5V	16.5V	3kV	88%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1512SC	NMK
			24V	21.6V	26.4V	1kV	86%					●	●		0.39	0.77	0.3	9.8	19.5	7.7	NMH2412DC	NMH
												●		●	0.3	0.77	0.4	7.5	19.5	10	NMH2412SC	
			24V	21.6V	26.4V	3kV	89%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2412SC	NMK
			48V	43.2V	52.8V	1kV	85%					●	●		0.39	0.77	0.3	9.8	19.5	7.7	NMH4812DC	NMH
												●		●	0.3	0.77	0.4	7.5	19.5	10	NMH4812SC	
	±0.13A	3W	5V	4.5V	9V	1kV	76%					●	●		0.58	1.27	0.27	14.7	32.3	7	NDTD0512C	NDTD
			12V	9V	18V		78%					●	●		0.58	1.27	0.27	14.7	32.3	7	NDTD1212C	NDTD
			24V	18V	36V		81%					●		●	0.36	1.02	0.49	9.3	26	12.5	NDH2412SC	NDH
							82%					●	●		0.58	1.27	0.27	14.7	32.3	7	NDTD2412C	NDTD
			48V	36V	75V		80%					●	●		0.58	1.27	0.27	14.7	32.3	7	NDTD4812C	NDTD
	±0.25A	6W	5V	4.5V	9V	5.2kV	83%						●		1.26	0.787	0.423	32	20	10.75	NCM6D0512C	NCM6
			12V	9V	36V		88%						●		1.26	0.787	0.423	32	20	10.75	NCM6D1212C	
						1.5kV	86%					●	●		1.26	0.79	0.39	32	20	10	NCS6D1212C	NCS6
			24V	18V	36V		87%					●	●		1.26	0.79	0.39	32	20	10	NDS6D2412C	NDS6
			48V	18V	75V	5.2kV	82%						●		1.26	0.787	0.423	32	20	10.75	NCM6D4812C	NCM6
						1.5kV	84%					●	●		1.26	0.79	0.39	32	20	10	NCS6D4812C	NCS6
	±0.5	12W	12V	9V	36V	1.5kV	85%						●		1.26	0.787	0.394	32	20	10	NCS12D1212C	NCS12
			48V	18V	75V		85%						●		1.26	0.787	0.394	32	20	10	NCS12D4812C	
	±0.625A	15W	24V	9V	36V	2.25kV	86%					●			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-120-Q12	BEI15-Series
			48V	18V	75V		85.5%					●			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-120-Q48	
	±0.84A	2W	5V	4.5V	5.5V	5.2kV	80%							●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0512SC	MEJ2
			12	10.8V	13.2V		81%							●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1212SC	
			15V	13.5V	16.5V		80%							●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1512SC	
±15V	±0.025A	0.75W	5V	1.5V	5.5V	3kV	79%							●	0.77	0.236	0.394	19.5	6	10	CMR0515S3C	CMR
			12V	10.8V	13.2V									●	0.77	0.236	0.394	19.5	6	10	CMR1215S3C	
	±0.033A	1W	3.3V	2.97V	3.63V							●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0315DC	NKA
												●		●	0.23	0.65	0.30	6	16.6	7.6	NKA0315SC	
						1kV	77%				●				0.3	0.6	0.26	7.7	15.2	6.6	NTA0315MC	NTA

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
±15V	±0.033A	1W	5V	4.5V	5.5V	1kV	87.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D0515DC	MEA1
							87%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D0515SC	
							88%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D0515MC	MTU1
							78%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA0515DC	NMA
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMA0515SC	
							78%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTA0515MC	NTA
						3kV	88%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D0515DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D0515SC	
							79%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA0515DC	NKA
												●		●	0.23	0.65	0.30	6.0	16.6	7.6	NKA0515SC	
							79%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV0515DC	NMV
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMV0515SC	
							80%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTV0515MC	NTV
						5.2kV	75.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D0515SC	MEJ1
							65%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ0515SC	NMJ
			12V	10.8V	13.2V	1kV	88%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1215DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1215SC	
							88%				●				0.323	0.331	0.335	8.2	8.4	8.5	MTU1D1215MC	MTU1
							76%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMA1215DC	NMA
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMA1215SC	
							76%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTA1215MC	NTA
						3kV	88.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1215DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1215SC	
							82%					●	●		0.39	0.77	0.21	9.8	19.5	5.4	NKA1215DC	NKA
												●		●	0.23	0.65	0.30	6.0	16.6	7.6	NKA1215SC	
							76%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMV1215DC	NMV
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMV1215SC	
							82%				●				0.30	0.60	0.26	7.7	15.2	6.6	NTV1215MC	NTV
						5.2kV	77%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1215SC	MEJ1
							65%					●		●	0.39	0.77	0.49	9.8	19.5	12.5	NMJ1215SC	NMJ
			15V	13.5V	16.5V	1kV	89.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D1515DC	MEA1
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D1515SC	
							80%						●	●	0.39	0.77	0.27	9.8	19.5	6.8	NMA1515DC	NMA
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMA1515SC	
						3kV	90.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D1515DC	MEV1
												●		●	0.24	0.77	0.39	6	19.5	10	MEV1D1515SC	
							77%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMV1515SC	NMV
						5.2kV	76.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D1515SC	MEJ1
			24V	21.6V	26.4V	1kV	88%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEA1D2415DC	MEA1
							88.5%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D2415SC	
						3kV	87.5%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	MEV1D2415DC	MEV1
							88%					●		●	0.24	0.77	0.39	6	19.5	10	MEV1D2415SC	
						5.2kV	78.5%							●	0.77	0.390	0.50	19.5	9.95	12.65	MEJ1D2415SC	MEJ1
			48V	43.2V	52.8V	1kV	83.5					●		●	0.24	0.77	0.39	6.0	19.5	10.0	MEA1D4815SC	MEA1
						3kV	85%					●		●	0.24	0.77	0.39	6	19.5	10	MEV1D4815SC	MEV1
	±0.05A	1.5W	5V	4.5V	5.5V	8kV	75%					●	●		1.27	0.81	0.40	32.3	20.5	10.2	PWR1305AC	PWR13XXC
			12V	10.8V	13.2V	8kV	75%					●	●		1.27	0.81	0.40	32.3	20.5	10.2	PWR1311AC	
				7V	16V	5kV	69%					●	●		1.65	1.13	0.41	41.9	28.6	10.3	PWR1726AC	PWR1726AC
			15V	13.5V	16.5V	8kV	75%					●	●		1.27	0.81	0.40	32.3	20.5	10.2	PWR1317AC	PWR13XXC
	±0.067A	2W	5V	4.5V	5.5V	1kV	84%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH0515DC	NMH
												●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH0515SC	
							1kV	84%				●				0.50	0.70	0.21	12.7	17.8	6.0	NTH0515MC	NTH
						3kV	87%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK0515SC	NMK
						5.2kV	79%							●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D0515SC	MEJ2
						6kV	78%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS0515C	NMS
			12V	10.8V	13.2V	1kV	84%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH1215DC	NMH
												●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH1215SC	
						1kV	84%				●				0.50	0.70	0.21	12.7	17.8	6.0	NTH1215MC	NTH
						3kV	87%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1215SC	NMK
						5.2kV	82%							●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1215SC	MEJ2

Dual output bipolar

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks			SM	TH	DIP	SIP	Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2					L	W	H	L	W	H		
±15V	±0.067A	2W	12V	10.8V	13.2V	6kV	82%					●	●		0.58	1.28	0.37	14.7	32.6	9.4	NMS1215C	NMS
			15V	13.5V	16.5V	1kV	84%					●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH1515SC	NMH
						3kV	88%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK1515SC	NMK
						5.2kV	79%							●	0.5	0.77	0.39	12.7	19.7	10.0	MEJ2D1515SC	MEJ2
			24V	21.6V	26.4V	1kV	86%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH2415DC	NMH
												●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH2415SC	
						3kV	89%					●		●	0.30	0.77	0.4	7.5	19.5	10	NMK2415SC	NMK
			48V	43.2V	52.8V	1kV	85%					●	●		0.39	0.77	0.30	9.8	19.5	7.7	NMH4815DC	NMH
			48V	43.2V	52.8V	1kV	85%					●		●	0.30	0.77	0.40	7.5	19.5	10.0	NMH4815SC	
	±0.1A	3W	5V	4.5V	9V	1kV	75%					●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD0515C	NDTD
			12V	9V	18V	1kV	78%					●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD1215C	
			15V	10V	18V	5kV	66%					●	●		1.13	1.13	0.41	28.6	28.6	10.7	PWR70C	PWR70C
				18V	36V	1kV	82%					●		●	0.36	1.02	0.49	9.3	26.0	12.5	NDH2415SC	NDH
												●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD2415C	NDTD
			48V	36V	75V	1kV	81%					●	●		0.58	1.27	0.27	14.7	32.3	7.0	NDTD4815C	
	±0.167A	5W	5V	4.5V	5.5V	0.75kV	60%					●	●		2.00	2.00	0.40	50.8	50.8	10.2	PWR1546AC	PWR1546A
	±0.20A	6W	5V	4.5V	9V	5.2kV	83%						●		1.26	0.787	0.423	32	20	10.75	NCM6D0515C	NCM6
			12V	9V	36V		87%						●		1.26	0.787	0.423	32	20	10.75	NCM6D1215C	
						1.5kV	87%					●	●		1.26	0.79	0.39	32	20	10	NCS6D1215C	NCS6
			24V	18V	36V	1.5kV	87.5%					●	●		1.26	0.79	0.39	32	20	10	NDS6D2415C	NDS6
			48V	18V	75V	5.2kV	83%						●		1.26	0.787	0.423	32	20	10.75	NCM6D4815C	NCM6
						1.5kV	84%					●	●		1.26	0.79	0.39	32	20	10	NCS6D4815C	NCS6
	±0.4	12W	12V	9V	36V	1.5kV	86%						●		1.26	0.787	0.394	32	20	10	NCS12D1215C	NCS12
			48V	18V	75V		85%						●		1.26	0.787	0.394	32	20	10	NCS12D4815C	
	±0.50A	15W	24V	9V	36V	2.25kV	84%					●			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-150-Q12	BEI15-Series
			48V	18V	75V		86%					●			1.1	0.35	0.96	27.9	8.9	24.4	BEI15-150-Q48	

Dual output

Asymmetric isolated DC-DC converter series

Asymmetric duals are isolated, 2-output DC/DC converters that typically provide two low voltages such as 3.3V and 1.8V. As such, they are ideal for driving the core and I/O logic of complex PLDs or ASICs. On DSL line cards, they can power both the DSP and the line drivers. In evolving process-control systems, they can power older 5V logic and newer 3.3V micros.

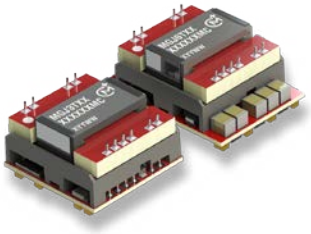
Asymmetric duals provide the real estate and cost savings of a single package with one set of input circuitry. On the output side, many duals feature 2-loop designs that effectively deliver two independently regulated converters in a single package with a standard pinout and internationally recognized safety approvals.

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks			SM	TH	DIP	SIP	Inches			mm			Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2					L	W	H	L	W	H		
5/3.3V	6/7A	33W	12V	10V	18V	1.5kV	86%					●			2.00	2.00	0.45	50.8	50.8	11.4	BWR-5/6-3.3/7-D12-C	BWR-5/3.3 33W
			24V	18V	36V		88%					●			2.00	2.00	0.45	50.8	50.8	11.4	BWR-5/6-3.3/7-D24-C	
			48V	36V	75V		88%					●			2.00	2.00	0.45	50.8	50.8	11.4	BWR-5/6-3.3/7-D48-C	
5/5V	0.1/0.1A	1W	5V	4.5V	5.5V	1.0kV	70%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMD0505505DC	NMD
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMD0505505SC	
5/9V	0.1/0.056A	1W	5V	4.5V	5.5V	1.0kV	80%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMD0505509DC	NMD
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMD0505509SC	
			12V	10.8V	13.2V	1.0kV	80%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMD120509DC	
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMD120509SC	
5/12V	0.1/0.042A	1W	5V	4.5V	5.5V	1.0kV	80%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMD0505512SC	NMD
			12V	10.8V	13.2V		80%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMD120512SC	
5/15V	0.1/0.034A	1W	5V	4.5V	5.5V	1.0kV	80%					●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMD0505515SC	NMD
			12V	10.8V	13.2V		80%					●	●		0.39	0.77	0.27	9.8	19.5	6.8	NMD120515DC	
												●		●	0.24	0.77	0.39	6.0	19.5	10.0	NMD120515SC	

Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to datasheets for available options.	Datasheet Available at www.murata-ps.com
15/ -5V	0.8/0.4A	2W	5V	4.5V	5.5V	5.2kV	76%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D051505SC	MGJ2
			12V	10.8V	13.2V		80%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D121505SC	
			15V	13.5V	16.5V		80%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D151505SC	
			24V	21.6V	26.4V		80.5%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D241505SC	
15/ -8.7V	0.8/0.4A	2W	5V	4.5V	5.5V	5.2kV	77.5%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D051509SC	MGJ2
			12V	10.8V	13.2V		80%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D121509SC	
			15V	13.5V	16.5V		80%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D151509SC	
			24V	21.6V	26.4V		82%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D241509SC	
15/ 15V	0.67/0.67A	2W	5V	4.5V	5.5V	5.2kV	79%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D051515SC	MGJ2
			12V	10.8V	13.2V		82%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D121515SC	
			15V	13.5V	16.5V		79%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D151515SC	
20/ -5V	0.8/0.4A	2W	5V	4.5V	5.5V	5.2kV	78.5%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D052005SC	MGJ2
			12V	10.8V	13.2V		82%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D122005SC	
			15V	13.5V	16.5V		81%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D152005SC	
			24V	21.6V	26.4V		82%							●	0.77	0.39	0.5	19.65	9.95	12.65	MGJ2D242005SC	

Triple output

Isolated DC-DC converters



Output Characteristics			Input Voltage			Isolation	Efficiency	Package Style							Package Dimensions						Further Information	
								Bricks							Inches			mm				
Rated Output Voltage	Rated Output Current	Total Output Power	Nom.	Min.	Max.			1/8	1/4	1/2	SM	TH	DIP	SIP	L	W	H	L	W	H	Part Number Note: Root part numbers may be shown. Please refer to data-sheets for available options.	Datasheet Available at www.murata-ps.com
24/48/72V	42/21/14mA	3W	5V	4.5V	5.5V	1.0kV	85%					●		●	0.30	0.86	0.44	7.5	21.8	11.1	NMT0572SC	NMT
			12V	10.8V	13.2V	1.0kV	85%					●		●	0.30	0.86	0.44	7.5	21.8	11.1	NMT1272SC	
15/5/5	120	3W	5V	4.5	9	5.2kV	80%				●				0.91	0.89	0.58	23.11	22.61	14.65	MGJ3T05150505MC	MGJ3
	120	3W	12V	9	18	5.2kV	82%				●				0.91	0.89	0.58	23.11	22.61	14.65	MGJ3T12150505MC	
	120	3W	24V	18	36	5.2kV	81%				●				0.91	0.89	0.58	23.11	22.61	14.65	MGJ3T24150505MC	
	240	6W	5V	4.5	9	5.2kV	80%				●				1.23	0.89	0.58	31.24	22.61	14.65	MGJ6T05150505MC	MGJ6
	240	6W	12V	9	18	5.2kV	82%				●				1.23	0.89	0.58	31.24	22.61	14.65	MGJ6T12150505MC	
	240	6W	24V	18	36	5.2kV	83%				●				1.23	0.89	0.58	31.24	22.61	14.65	MGJ6T24150505MC	

MGJ 3/6 configurations

Function	IGBT	SIC	MOSFET
15V Output	+15V	+20V	+15V
15V (0V reference) 5VA output	0V		0V
15VA (0V reference) 5VB output		0V	-5V
5VB (0V reference)	-10V	-5V	

my Murata

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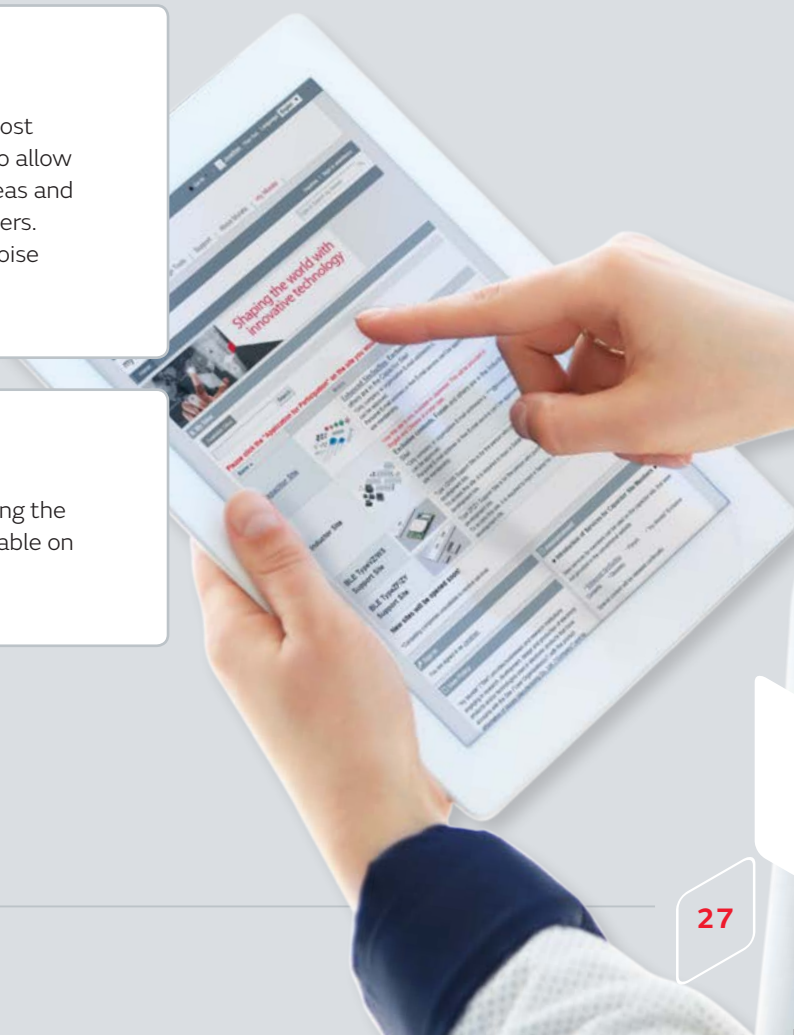

Global Locations

For details please visit www.murata.com

⚠Note

1 Export Control

For customers outside Japan:

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2. *Aerospace equipment*
3. *Undersea equipment*
4. *Power plant equipment*
5. *Medical equipment*
6. *Transportation equipment (vehicles, trains, ships, etc.)*
7. *Traffic signal equipment*
8. *Disaster prevention / crime prevention equipment*
9. *Data-processing equipment*
10. *Application of similar complexity and/or reliability requirements to the applications listed above*

3 Product specifications in this catalog are as of March 2014. They are subject to change or our products in it may be discontinued without advance notice. Please check with our sales representatives or product engineers before ordering. If there are any questions, please contact our sales representatives or product engineers.

4 Please read rating and ⚠CAUTION (for storage, operating, rating, soldering, mounting and handling) in this catalog to prevent smoking and/or burning, etc.

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