Murata's IC Matching Service
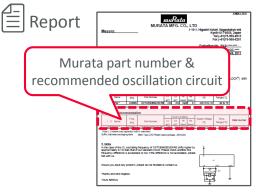
muRata
INNOVATOR IN ELECTRONICS

◆ What is an "IC Matching Service" ?

When using an IC and a timing device in combination with each other, it is essential to achieve a stable oscillation and avoid errors due to abnormal oscillation.

To assist the customer in achieving this performance, Murata borrows the customer's mounted board, and offers the optimum recommended circuit based on our evaluation of IC matching.

Important test items for verifying stable operation

Oscillation Performance

Temperature Characteristics

Frequency Correction

OK → suitable circuit condition ← **OK**

OK   **OK**

Murata resonator part number & recommended oscillation circuit

◆ IC Matching Report & Data

Report

muRata
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Messrs:

Evaluation No.: R15-*****-***

> Murata part number & recommended oscillation circuit

Data

Evaluation Data of CERALOCK® Oscillation

Test Data

> Oscillation Wave Form

> Rise Up Time & Wave Form

◆ Acquired peace of mind

- Optimum circuit constants
- Prevention of abnormal oscillation
- Suitable Murata part number and specifications
- Reduction of the evaluation period for the set

Free of charge!
&
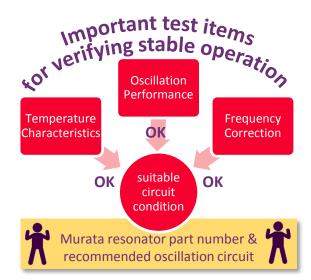*Short lead time!*

◆ When using the service

For special data please consult with us. (e.g. Phase noise, EVM, PER)
We will return the borrowed circuit board along with maintain secrecy concerning any confidential matters.
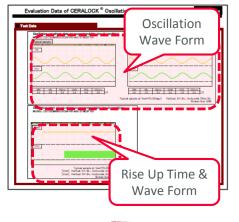If technical support is required, please contact our sales representatives or product engineers.

You can get more information about IC Matching by visiting the below URL.
http://www.murata.com/en-global/products/timingdevice/crystalu/ic/matching

Customers with the following questions read on!

"Is there an easier and quicker way to check matching?"
"It's troublesome to prepare the board and send it each time. Can't I eliminate the necessity of doing this?"

The result of matching (recommending a circuit) can be verified by using the Internet!

Evaluation data accumulated by Murata's matching service (see the back of this sheet) is disclosed on the Internet. The matching service is used by customers in various fields, such as the automobile industry, for circuit design. It can be used as a reference at the initial stage of development and design.

★ **It's easy!** There is no need to prepare the board, register or download any data. Simply enter the name of the IC manufacturer and the part number of the IC product.

★ **It's fast!** The results are displayed immediately.

★ **It gives you peace of mind!** The results are disclosed based on the results acquired by actually carrying out an evaluation.

★ **It's free!** Registration is unnecessary. You can carry out a search any number of times.

Access here!

- More than 35,000 cases are currently displayed on the Internet. (As of November 2016)
- The results of evaluating new ICs will be progressively disclosed.

http://www.murata.com/simsurf/ic-td/

↓ Search screen and Search method

Input

Output

IC Manufacturer
IC Part Number
Oscillating
Timing Device Part Number

IC Manufacture's Site
Product Info.(Web)
Circuit Info.
Brochure(PDF)
Oscillator circuit