

CERTIFICATE OF COMPLIANCE

Certificate Number 20160920- E151252
Report Reference E151252-A115-UL
Issue Date 2016-SEPTEMBER-20

Issued to: MURATA POWER SOLUTIONS INC
11 CABOT BLVD, MANSFIELD MA 02048-1137

**This is to certify that
representative samples of**

COMPONENT - POWER SUPPLIES, INFORMATION
TECHNOLOGY EQUIPMENT INCLUDING ELECTRICAL
BUSINESS EQUIPMENT


See Addendum Page

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07
Information Technology Equipment - Safety - Part 1:
General Requirements

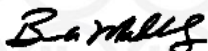
Additional Information: See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

The UL Recognized Component Mark generally consists of the manufacturer's identification and catalog
number, model number or other product designation as specified under "Marking" for the particular
Recognition as published in the appropriate UL Directory. As a supplementary means of identifying products
that have been produced under UL's Component Recognition Program, UL's Recognized Component Mark:
 may be used in conjunction with the required Recognized Marks. The Recognized Component Mark is
required when specified in the UL Directory preceding the recognitions or under "Markings" for the individual
recognitions.

Recognized components are incomplete in certain constructional features or restricted in performance
capabilities and are intended for use as components of complete equipment submitted for investigation rather
than for direct separate installation in the field. The final acceptance of the component is dependent upon its
installation and use in complete equipment submitted to UL LLC.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please
contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



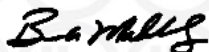
CERTIFICATE OF COMPLIANCE

Certificate Number 20160920- E151252
Report Reference E151252-A115-UL
Issue Date 2016-SEPTEMBER-20

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements.

DC-DC Converter.

Models: NMVaabby or CRV1Daabby or CRV1Saabby or CMRaabby, where aa = Input Voltage representing 5Vdc, 12Vdc, 15Vdc; bb = Output Voltage representing 5Vdc, 9Vdc, 12Vdc or 15Vdc and y = is any combination of alphanumeric characters, - or blank representing non-safety related options.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

