



DEFENSE LOGISTICS AGENCY
 LAND AND MARITIME
 POST OFFICE BOX 3990
 COLUMBUS, OH 43218-3990

November 27, 2012

Mr. Paul Syndergaard
 Senior Staff Reliability Engineer
 ON Semiconductor
 2300 Buckskin Road
 Pocatello, ID 83201

Dear Mr. Syndergaard:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-025441),
 CAGE Code: 31471, Control Number: 037868

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type(s) JANTXV1N746AUR-1, JANTXV1N758AUR-1, and JANTXV1N759AUR-1 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /127W. Extension is granted to the other devices listed below as allowed by paragraph E.4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is November 27, 2012. The starting lot date code is T1220.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots):

Package	Device Type	I _M	I _H	t _H	t _{MD}	Z _{ΘJX}
DO-213AA	1N746AUR-1	10 mA	2.25 A	50 ms	70 μs	30 °C/W max
DO-213AA	1N750AUR-1	10 mA	2.1 A	50 ms	70 μs	30 °C/W max
DO-213AA	1N751AUR-1	10 mA	2.0 A	50 ms	70 μs	30 °C/W max
DO-213AA	1N752AUR-1	10 mA	1.9A	50 ms	70 μs	30 °C/W max
DO-213AA	1N758AUR-1	10 mA	1.6 A	50 ms	70 μs	30 °C/W max
DO-213AA	1N759AUR-1	10 mA	2.1 A	50 ms	70 μs	30 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
**1N746AUR-1, CUR-1, DUR-1 through **1N758AUR-1, CUR-1, DUR-1	NS	CONP	19500-3657-12	/127	Same as above
**1N759AUR-1, CUR-1, DUR-1			19500-3693-13		
					Plant (2): ON Semiconductor (ISMF) Seremban, Malaysia (wafer fabrication) Millenium Microtech (MMT) Chachoengsao, Thailand (assembly)
** Includes JAN, JANTX & JANTXV quality levels only					

This qualification approval is based upon test report number(s) 19500-3657-12, 19500-3692-13, and 19500-3693-13 for your die and package, your letter dated September 26, 2012 requesting qualification, your subsequent emails and test data, and is subject to the conditions as stated in the SD-6 and DOD 4120.24M. Test report 19500-3692-13 was assigned to the qualification data for device type JANTXV1N758AUR-1 reflecting the upper end of the series of devices to be qualified, but will not be reflected in the QML.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product. If you have any questions, please contact Mr. Deslich at 614-692-0593.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division