



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

February 03, 2015

Ms. Beth Parker
 Microsemi Lawrence
 6 Lake Street
 Lawrence, MA 01841-3011

Dear Ms. Parker:

Re: Notification of Re-Qualification, MIL-PRF-19500P, FSC 5961; VQ (VQE-15-029175), CAGE Code 43611, Control # 045351

Re-Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JAN1N6625 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /585K. This requalification was necessitated as a result of design and construction Changes affecting doping material, glass and braze preform material. 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. This qualification is effective as of February 03, 2015. The starting lot date code is 1424.

The qualification lot thermal impedance conditions and upper limits are as follows (subject to change after 5 lots with the approval of the qualifying activity):

I_M	I_H	t_H	t_{MD}	$Z_{\theta JX}$ (Screening)	$Z_{\theta JX}$ (QCI)
10 mA	10 A	10ms	70 μ s	3.9 °C/W max	3.9 °C/W max

Government Designation	Lead Finish	ESD Class <u>6</u> /	Manufacturer Designation	Test Report Reference	Perform. Spec.	Manufacturer Name & Address
** 1N6620, US thru 1N6622, US ** 1N6625, US	A	2	CDWR	19500-4419-15	/585	Same as above

6/ Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3

** Includes JAN, JANTX & JANTXV quality levels

Plant 1: Same as above

This qualification approval is based upon test report numbers 19500-4419-15 (JAN-JANTXV) for your die & package, your data and letter dated December 18, 2014 requesting requalification. This qualification is subject to the conditions as stated in the SD-6 and DOD 4120.24M.

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. Alan Barone 614-692-0510.

Sincerely,

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division