



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

May 1, 2012

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

Dear Ms. Parker:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961; VQ (VQE-12-024309); CAGE Code: 43611, Control Number 036094

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device types JAN1N5622 and JANS1N5622 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /427N. 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 April 18, 2012. The starting lot date code is K1130.

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

Package	I _M	I _H	t _H	t _{MD}	Z _{θJX} (Screening)	Z _{θJX} (QCI)
Similar to DO-35	10 mA	10 A	10 ms	70 μs	3.9°C/W max	3.95°C/W max
Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address	
** 1N5614, 1N5616 ; US 3/ S 1N5614, 1N5616 ; US 3/ ** 1N5618, 1N5620 ; US 3/ S 1N5618, 1N5620 ; US 3/ ** 1N5622; US 3/ S 1N5622; US 3/	NS	CDWR	19500-3501-12	/427	Same as above	
** Includes JAN, JANTX & JANTXV quality levels S Includes JANS quality level only 3/ Traceable die bank					Plant 15: Microsemi Scottsdale 8700 East Thomas Road Scottsdale, AZ (Wafer Fabrication)	

This qualification approval is based upon test report numbers: 19500-3501-12 for your die and package, your letter dated February 28, 2012, and subsequent emails and data. This approval 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. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division