



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

IN REPLY
 REFER
 TO

DLA LAND AND MARITIME-VQ (VQE-11-021413A/Mr. Nash/614-692-8290/gn)

February 15, 2011

SUBJECT: Notification of Qualification Extension, MIL-PRF-19500N, FSC 5961

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

Dear Ms. Parker:

This letter amends the original letter dated November 30, 2010 to include all of the parts qualified.

Qualification by extension of your product is granted under the current issue of the specification as a result of successful testing of device type JAN1N4491 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /406H. Testing of these device types covers qualification for high-range voltage regulators. 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 the Qualified Manufacturers List (QML) 19500. The effective date of this qualification is November 10, 2010. The beginning lot date code for this qualification is 1017.

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)
DO-41	10 mA	10 A	10 ms	70 μs	3.95 °C/W	4.20 °C/W
DO-35	1 mA	2 A	10 ms	70 μs	10.34 °C/W	12.0 °C/W

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
**1N4462 – 1N4465; C; D; US; CUS; DUS	NS	CDWR	19500-2929-10	/406	Same as above
**1N4469 – 1N4491; C; D; US; CUS; DUS				/533	
**1N6321 – 1N6350; C; D; US; CUS; DUS					
** Includes JAN, JANTX & JANTXV quality levels only					Plant 1: Same as above

This qualification approval is based upon test report number 19500-3071-11 which was assigned to this data, 19500-2929-10 for your die and package, your letter dated September 30, 2010 requesting qualification and 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.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division