



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

October 12, 2012

Mr. Daniel Lopez
 Semtech Corpus Christi S.A. de C.V.
 Carretera A Matamoros KM 9
 Brecha E-99, Edificio 9,
 Parque Industrial Reynosa
 CD, Reynosa, Tamps, Mexico CP 88500

Dear Mr. Lopez:

Re: Notification of Qualification; MIL-PRF-19500P; FSC 5961; VQ (VQE-12-025163);
 CAGE Code: SH879; Control Numbers 037399, 037450 and 037559.

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JAN1N6638 to Performance Specification MIL PRF 19500P, Semiconductor Devices, FSC 5961, and performance specification /578K. Also, qualification by extension is granted to the additional devices listed herein as allowed by paragraph E.4.2.2 of Performance Specification MIL PRF 19500P. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is September 28, 2012. The starting lot date code is M1149.

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} (LCL)	Z _{θJX} (UCL)
Axial	1 mA	350 mA	10 ms	70 μs	18.77°C/W	23.65°C/W

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N6638	NS	CDBV	19500-3661-12	/578	Same as above
** 1N6642					
** 1N6643					
** Includes JAN, JANTX and JANTXV quality levels				Plant 1: Same as above	

This qualification approval is based upon test report number 19500-3661-12, your letter dated September 3, 2012 and your follow up data supporting your qualification request. This action 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. Karadsheh at 614-692-0611.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division