



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

March 8, 2012

Mr. Mike Ryan  
 Sensitron Semiconductors  
 221 West Industry Court  
 Deer Park, NY 11729-4681

Dear Mr. Ryan:

Re: Notification of Qualification, MIL-PRF-19500P, FSC-5961; VQ (VQE-12-024026); CAGE Code: 13409;  
 Control #: 035432

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANTXV1N6642US as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /578, Revision K. 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 beginning lot date code for this qualification is 1125. The effective date of this qualification is February 23, 2012.

Thermal Impedance conditions and limits are as follows (subject to change after 5 lots with approval of the qualifying activity): Im=10 mA, IH=0.8 A, tH=10 msec, tMD=70 µsec, ZθJX=23.8 °C/W max (Screening); ZθJX= 25.0 °C/W max (QCI)

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N6638,6642, 6643; U; US	3B	CQN	19500-3464-12	/578	Same as above
** 1N6639-6641; US				/609	
** Includes JAN, JANTX, JANTXV quality levels				Plant (1): Same as above	

This qualification approval is based upon test report numbers 19500-3150-11 and 19500-3464-12 for your die and package, your email request dated January 27, 2012, and your subsequent emails including additional testing data. This approval is subject to the conditions stated in 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 GIDEP alert, problem advisory, or other problem notification on their QML product. If you have any questions on this letter, contact Mr. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division