



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

April 16, 2013

Mr. Mark McNulla  
 Aeroflex-Metelics  
 9 Hampshire Street  
 Lawrence, MA 01840

Dear Mr. McNulla:

Re: Notification of Qualification Extension, MIL-PRF-19500P, FSC 5961; VQ (VQE-13-026145)  
 CAGE Code: 52GC4 Control Number: 038811

Qualification by extension of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTX1N6340 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /533J. Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is April 9, 2013. The starting lot date code is A1209.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)						
Package	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>θJX</sub> (Screening)	Z <sub>θJX</sub> (QCI)
Similar to DO-35	1 mA	2 A	10 msec	70 μs	14.5°C/W max	18.0°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N6321-1N6349; C; D; US; CUS; DUS	3B	CHRC	19500-3806-13	/533	Same as above

Plant 2: Aeroflex-Metelics East  
 55 Grenier Field Road  
 Londonderry, NH 03053  
 (Wafer Fabrication)

\*\* Includes JAN, JANTX & JANTXV quality levels only

This qualification approval is based upon test report numbers 19500-3805-13 for your data, 19500-3806-13 for your die and package, your letter dated February 28, 2013 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. If you have any questions, please contact Mr. Nash at 614-692-8290.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE  
 Chief  
 Sourcing and Qualifications Division