



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

January 6, 2015

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

Dear Mr. McNulla:

Re: Notification of Qualification, MIL-PRF-19500P, Amend 1, FSC 5961; VQ (VQE-15-029031)  
 CAGE Code: 52GC4; Control Number: 045269

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type(s) JANS1N5811, JANS1N5806, and JANS1N5806US as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Amend 1, Semiconductor Devices, FSC 5961, and performance specification /477K. 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 the leaded devices is A1426 and for the surface mount devices is A1440. The effective date of this qualification is January 6, 2015.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)					
Device/Package	I <sub>M</sub>	I <sub>H</sub>	t <sub>H</sub>	t <sub>MD</sub>	Z <sub>ΘJX</sub> (Screening/QCI)
1N5807, 1N5807US, 1N5809, 1N5809US, 1N5811, 1N5811US	1mA	30A	10 ms	70 μs	1.3°C/W max
1N5802, 1N5802US, 1N5804, 1N5804US, 1N5806, 1N5806US	1mA	20A	10 ms	70 μs	3.5°C/W max

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
§ 1N5802; US ** 1N5802; US	A	NS	CHRC	19500-4408-15	/477	Same as above
§ 1N5804; US ** 1N5804; US						
§ 1N5806; US ** 1N5806; US						
§ 1N5807; US ** 1N5807; US						
§ 1N5809; US ** 1N5809; US						
§ 1N5811; US ** 1N5811; US						

\*\* Includes JAN, JANTX, and JANTXV quality levels only  
 § Includes JANS quality level only  
 6/ Testing is compliant to MIL-STD-750 Test Method 1020.3

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

This qualification approval is based upon test report number 19500-4408-15 for your die and packages above, your letter dated December 18, 2014 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. Deslich at 614-692-0593.

Sincerely,

JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division