



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

May 14, 2014

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

Dear Mr. McNulla:

Re: Notification of Re-Qualification MIL-PRF-19500P, FSC 5961; VQ (VQE-14-027990)
 CAGE Code: 52GC4; Control Number: 042638

Re-Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JAN1N4148UR-1 to Performance Specification MIL-PRF-19500P, Amendment 2, Semiconductor Devices, FSC 5961, and performance specification /116S. Extension is also granted to other devices listed below as allowed by E 4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in Qualified Manufacturers List (QML) 19500. The effective date of this qualification is May 14, 2014. The starting lot date code is A1403.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)						
Package	I _M	I _H	t _H	t _{MD}	Z _{ΘJX} (Screening)	Z _{ΘJX} (QCI)
Similar to DO-35	10 mA	1 A	10 msec	70 μs	40.0°C/W max	50.0°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N4148-1; UR-1 ** 1N4531; UR ** 1N914; UR	3A	CHRC	19500-1945-10	/116	Same as above
** 1N4454-1; UR -1 ** 1N3064 ** 1N4532				/144	
** 1N4150-1; UR -1 ** 1N3600				/244	
					Plant 2: Aeroflex-Metelics East 54 Grenier Field Road Londonderry, NH 03053 (Wafer Fabrication)

** Includes JAN, JANTX & JANTXV quality levels only

This qualification approval is based upon test report numbers 19500-1945-10 for your original die and package, your letter dated April 4, 2014 requesting qualification and subsequent emails and data. Test report 19500-4072-14 has been assigned to your report but will not be reflected in the QML. This qualification 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. Barone at 614-692-0510.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division