



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

September 19, 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-13-027034); CAGE Code: 52GC4; Control #: 040700

Qualification by extension of your product is granted under the current issue of the specification as a result of successful testing of device type JANS1N7050-1 as allowed by paragraph E 4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /463, Revision H. 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 effective date of this qualification is September 12, 2013. The beginning lot date code is A1308.

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} (Screening)	Z _{ΘJX} (QCI)
DO-7; UR-1	10 mA	1 A	10 ms	70 μs	16°C/W max	19°C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
S 1N5283-1; UR-1 through <u>6/</u> S 1N5314-1; UR-1 S 1N7048-1; UR-1 through <u>6/</u> S 1N7055-1; UR-1	NS	CHRC	19500-3967-13	/463	Same as above
					Plant (2): Aeroflex-Metelics East 55 Grenier Field Road Londonderry, NH 03053 (wafer fabrication)
<u>6/</u> Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3					
S Includes JANS quality level only					

This qualification approval is based upon test report numbers 19500-3530-12 for your die and package, 19500-3967-13 for your JANS data, your letter dated July 24, 2013, and subsequent emails. 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 potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product. If you have any questions about this letter, contact Mr. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division