



DEFENSE LOGISTICS AGENCY
 DEFENSE SUPPLY CENTER, COLUMBUS
 POST OFFICE BOX 3990
 COLUMBUS, OH 43218-3990

IN REPLY
 REFER TO

DSCC-VQ (VQE-10-019068/Mr. Carpenter/614-692-7078/kc)

October 7, 2009

SUBJECT: Notification of Qualification, MIL-PRF-19500N, FSC 5961

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

Dear Mr. McNulla:

Qualification of your products is granted under the current issue of the specification as a result of successful testing of device type JAN1N14104 & JAN1N4134 to Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification /435, revision J. Qualification is also granted to the other device types 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 0916. The effective date of this qualification is October 6, 2009.

The qualification lot Thermal Impedance screening conditions and upper limit are the following:

$$I_M = 10 \text{ mA}, I_H = 1 \text{ A}, t_H = 10 \text{ ms}, T_{MD} = 70 \text{ us}, Z_{\Theta JX} \text{ limit} = 22^\circ \text{C/W maximum}$$

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
**1N4099-1, UR-1, C-1, CUR-1, D-1, DUR-1 through	NS	CHRC	19500-2690-10	/435	Same as above
**1N4135-1, UR-1, C-1, CUR-1, D-1, DUR-1					
**1N4614-1, UR-1, C-1, CUR-1, D-1, DUR-1 through					
**1N4627-1, UR-1, C-1, CUR-1, D-1, DUR-1					
**1N4370A-1, AUR-1, C-1, CUR-1, D-1, DUR-1 through				/127	
**1N4372A-1, AUR-1, C-1, CUR-1, D-1, DUR-1					
**1N746A-1, AUR-1, C-1, CUR-1, D-1, DUR-1 through					
**1N759A-1, AUR-1, C-1, CUR-1, D-1, DUR-1					
**1N5518B-1, BUR-1, C-1, CUR-1, D-1, DUR-1 through				/437	
**1N5546B-1, BUR-1, C-1, CUR-1, D-1, DUR-1					
**1N962B-1, BUR-1, C-1, CUR-1, D-1, DUR-1 through				/117	
**1N986B-1, BUR-1, C-1, CUR-1, D-1, DUR-1					

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

** Includes JAN, JANTX, JANTXV quality levels

This qualification approval is based upon test report number 19500-2690-10 and your letter dated September 17, 2009, is subject to the conditions as 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 on this letter, contact Mr. Carpenter, 614-692-7078.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division