



DEFENSE LOGISTICS AGENCY
 DEFENSE SUPPLY CENTER, COLUMBUS
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 COLUMBUS, OH 43218-3990

IN REPLY
REFER TO

DSCC-VQ (VQE-10-019904/Mr. Deslich/614-692-0593/bpd)

March 10, 2010

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

Mr. Mark McNulla
 DSCC Representative
 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 qualification testing of device type JANS1N6642US to Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification sheet 578 Revision J. Also, qualification 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 Qualified Manufacturers List (QML) 19500. The effective date of this qualification is March 10, 2010. The beginning lot date code is 0835.

The qualification lot screening and QCI thermal impedance test conditions and limits are as follows:

$I_H = 1 \text{ A}$, $I_M = 10 \text{ mA}$, $t_H = 10 \text{ ms}$, $t_{MD} = 70 \text{ } \mu\text{s}$, $K = 1.725 \text{ mV/}^\circ\text{C}$, $Z_{\theta JX} = 20 \text{ }^\circ\text{C/W max}$

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
§ 1N6638, U, US	NS	CHRC	19500-2836-10	/578J	Same as above
§ 1N6642, U, US					
§ 1N6643, U, US					
§ 1N6639, US				/609G	
§ 1N6640, US					
§ 1N6641, US					

Plant: (2) Aeroflex Micrometrics
 54 Grenier Field Road
 Londonderry, NH 03053
 (wafer fabrication)

§ Includes JANS quality levels only

This qualification approval is based upon test report number 19500-2836-10 and your letter dated February 10, 2010 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 regarding this letter please contact Mr. Deslich at (614) 692-0593.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division