



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

IN REPLY  
 REFER  
 TO

DSCC-VQ (VQE-10-019452/Mr. Deslich/614-692-0593/bpd)

December 18, 2009

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 JAN1N4148-1 to Performance Specification MIL-PRF-19500N, Semiconductor Devices, FSC 5961, and performance specification sheet 116P. 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 December 18, 2009. The beginning lot date code is A0937.

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

$I_M = 1 \text{ mA}$ ,  $I_H = 1 \text{ A}$ ,  $t_H = 10 \text{ ms}$ ,  $t_{MD} = 70 \mu\text{s (max)}$ ,  $k = 1.838 \text{ mV/}^\circ\text{C}$ ,  $Z_{\theta jx} = 40.00 \text{ }^\circ\text{C/W}$

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
**1N4148-1	3A	CHRC	19500-2767-10	/116	Same as above
**1N4148UR-1					
**1N914					
**1N914UR					
**1N4531					
**1N4531UR					
**1N4454-1				/144	
**1N4454UR-1					
**1N3064					
**1N4532					
**1N4150-1				/231	
**1N4150UR-1					
**1N3600					


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

\*\* Includes JAN, JANTX, and JANTXV quality levels only

This qualification approval is based upon test report number 19500-2767-10 and your letter dated December 3, 2009 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,



for JOSEPH GEMPERLINE  
Chief  
Sourcing and Qualifications Division