



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

May 28, 2015

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

Dear Mr. McNulla:

Re: Notification of Qualification, MIL-PRF-19500P, Amend 2, FSC 5961; VQ (VQE-15-029489)
 CAGE Code: 52GC4; Control Number: 046796

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANSR2N5153U3 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Amend 2, Semiconductor Devices, FSC 5961, and performance specification /545, revision K. 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 beginning lot date code for this qualification is B1436. The effective date of this qualification is May 15, 2015.

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)
U3	10 mA	0.75 A	10 ms	70 μs	1.5 °C/W max	1.5 °C/W max

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 2N5151U3; 2N5153U3 S;SR 2N5151U3; 2N5153U3	A	3B	CHRC	19500-4463-15	/545	Same as above
** 2N6193U3 S;SR 2N6193U3					/561	
** 2N5152U3; 2N5154U3 S;SR 2N5152U3; 2N5154U3		NS			/544	
** 2N5339U3 S;SR 2N5339U3					/560	

6/ Testing is compliant to the latest revision of MIL-STD-750, Test Method 1020.3
 S Includes JANS quality level only
 ** Includes JAN, JANTX & JANTXV quality levels only

Plant 3: Bourns Ltd
 Manton Lane, MK417BJ
 Bedford, United Kingdom
 (Wafer Fabrication)

This qualification approval is based upon test report numbers 19500-4463-15 for your die and package and 19500-4127-14 & 19500-4128-14 for your group D data, your letter dated March 12, 2015 and subsequent emails and data. 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. DelloStritto at 614-692-0616.

Sincerely,

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division