



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

August 27, 2013

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

Dear Mr. McNulla:

Re: Notification of Qualification by extension, MIL-PRF-19500P, FSC 5961, VQ (VQE-13-026935)
 CAGE Code: 52GC4, Control Number: 040356

Qualification by extension is granted to the devices listed below under the current issue of the specification as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /545 Rev H. 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 B1206. The effective date of this qualification is August 27, 2013.

Thermal Conditions (subject to change after 5 lots with approval from the qualifying activity)							
Package	V _{CB}	I _M	I _E	t _H	t _{MD}	Z _{θJX} (Screening)	Z _{θJX} (QCI)
TO-5/TO-39	20 V	10 mA	0.5 A	100 ms	70 μs	3.5 °C/W max	3.7 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
S 2N5151, 2N5151L	NS 6/	CHRC	19500-3740-13	/545	Same as above
S 2N5153, 2N5153L					
S 2N6193				/561	

Plant 3: Bourns Ltd
 Manton Lane, MK41BJ
 Bedford, United Kingdom
 (Wafer Fabrication)

6/ Testing is compliant to the latest revision of MIL-STD-750
 Test Method 1020.3

S Includes JANS quality levels only

This qualification approval is based upon test report number 19500-3740-13 for die and package, however, test report number 19500-3966-13 was assigned to your letter dated July 24, 2013 request but will not be reflected on the QML. This approval 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. Barone at 614-692-0510.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division