



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

February 7, 2012

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

Dear Mr. McNulla:

Re: Notification of Qualification, MIL-PRF-19500P, FSC-5961; VQ (VQE-12-023888); CAGE Code: 52GC4;
 Control #: 035493

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANTXV2N3055 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /407, 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 B1030. The effective date of this qualification is February 6, 2012.

The qualification lot Thermal Impedance screening conditions and upper limit for T0-3 pkg. are as follows (subject to change after 5 lots):

$$V_{CE} = 20V, I_M = 10 \text{ mA}, I_H = 2A, t_H = 100\text{ms}, T_{MD} = 100\mu\text{s}, Z_{\Theta JX} \text{ limit (Screening \& QCI)} = .91 \text{ }^\circ\text{C/W maximum}$$

| Government Designation | ESD Class | Manufacturer Designation | Test Report Reference | Prf. Spec | Manufacturer Name & Address |
|------------------------|-----------|--------------------------|-----------------------|-----------|-----------------------------|
| ** 2N3055 | NS | CHRC | 19500-3403-12 | /407 | Same as above |
| ** 2N3715, 2N3716 | | | | /408 | |

Plant (3): Bourns Ltd
 Manton Lane, MK417BJ
 Bedford, UK
 (wafer fabrication)

** Includes JAN, JANTX, and JANTXV quality levels

This qualification approval is based upon test report number 19500-3403-12 for your die and package, your letter dated October 21, 2011, and your subsequent emails including additional testing data. This approval is subject to the conditions 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. DelloStritto at 614-692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division