



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

November 28, 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-13-025420)
 CAGE Code: 52GC4; Control Number: 037806

Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANS2N2222AUB as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /255, revision X. 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 D1213. The effective date of this qualification is November 16, 2012.

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)
UB/UBC	10 mA	200mA	25 ms	70 μs	40.0 °C/W max	45.0 °C/W max
UA	10 mA	200mA	25ms	70 us	40.0 °C/W max	43.0 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
S 2N2221AUB; 2N2221AUBC S 2N2222AUB; 2N2222AUBC S 2N2221AUA S 2N2222AUA	3A	CHRC	19500-3667-12	/255	Same as above

Plant 4: Texas Instruments Inc.
 6412 U.S. Highway 75 South
 Sherman, Texas 75090
 (Wafer Fabrication)

** Includes JAN, JANTX & JANTXV quality levels only

This qualification approval is based upon test report number 19500-3667-12 for your die and package, your letter dated September 17, 2012 requesting qualification, and subsequent emails. 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,

/SIGNED/

JOSEPH GEMPERLINE
 Chief

Sourcing and Qualifications Division