



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

February 27, 2015

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

Dear Mr. McNulla:

Re: Notification of Qualification Extension, MIL-PRF-19500P, FSC-5961; VQ (VQE-14-029250; CAGE Code: 52GC4; Control #: 045921

This letter supersedes letter VQ(VQE-15-028949) to add device types 1N6309 through 1N6320 to QML-19500 and to identify the standard lead finish..

Qualification by extension of your product types JANKC1N4614 and JANS2N2222AUB is granted under the current issue of the specification as allowed by paragraph E.4.2.2. (Qualification by extension) of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specifications /435, Rev. M and /255, Rev. X. 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 A1452. The effective date of this qualification is December 5, 2014.

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	10 mA	1A	10 msec	70 μs	33.0 °C/W max	33.0 °C/W max

Government Designation	ESD Class	Lead Finish	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 1N4614UB; CUB; DUB; UBD; CUBD; DUBD; UBCC; CUBCC; DUBCC; UBCA; CUBCA; DUBCA through	NS	A	CHRC	19500-3482-12	/435	Same as above
** 1N4627UB; CUB; DUB; UBD; CUBD; DUBD; UBCC; CUBCC; DUBCC; UBCA; CUBCA; DUBCA						
§ 1N4614UB; CUB; DUB; UBD; CUBD; DUBD; UBCC; CUBCC; DUBCC; UBCA; CUBCA; DUBCA through						
§ 1N4627UB; CUB; DUB; UBD; CUBD; DUBD; UBCC; CUBCC; DUBCC; UBCA; CUBCA; DUBCA						
** 1N4099UB; CUB; DUB; UBD; CUBD; DUBD; UBCC; CUBCC; DUBCC; UBCA; CUBCA; DUBCA through						
** 1N4135UB; CUB; DUB; UBD; CUBD; DUBD; UBCC; CUBCC; DUBCC; UBCA; CUBCA; DUBCA						
§ 1N4099UB; CUB; DUB; UBD; CUBD; DUBD; UBCC; CUBCC; DUBCC; UBCA;						

CUBCA; DUBCA through
§ 1N4135UB; CUB; DUB;
UBD; CUBD; DUBD; UBCC;
CUBCC; DUBCC; UBCA;
CUBCA; DUBCA

**1N6309UB; CUB; DUB; NS

/533

UBD; CUBD; DUBD; UBCC;
CUBCC; DUBCC; UBCA;
CUBCA; DUBCA through

**1N6349UB; CUB; DUB;
UBD; CUBD; DUBD; UBCC;
CUBCC; DUBCC; UBCA;
CUBCA; DUBCA

§ 1N6309UB; CUB; DUB;
UBD; CUBD; DUBD; UBCC;
CUBCC; DUBCC; UBCA;
CUBCA; DUBCA through

§ 1N6349UB; CUB; DUB;
UBD; CUBD; DUBD; UBCC;
CUBCC; DUBCC; UBCA;
CUBCA; DUBCA

JANHC1N6309; C; D
through

JANHC1N6349; C; D

JANKC1N6309; C; D

through

JANKC1N6349; C; D

Plant (2): Aeroflex-Metelics East
55 Grenier Field Road
Londonderry, NH 03053
(wafer fabrication)

** Includes JAN, JANTX, & JANTXV quality levels only

§ Includes JANS quality level only

This qualification approval is based upon test report numbers 19500-3482-12 for your die, and 19500-3667-12 for your package, your letter dated November 13, 2014, and additional test data received February 23, 2015. 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. Deslich at 614-692-0593.

Sincerely,

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division