



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

December 16, 2014

Ms. Kelley Price
 International Rectifier Corporation
 205 Crawford St.
 Leominster, MA 01453

Dear Ms. Price:

Re: Notification of Re-Qualification, MIL-PRF-19500P, Amend 1, FSC-5961, VQ (VQE-15-028986), CAGE Code: 69210, Control Number: 044952.

Re-Qualification of your product is granted under the current issue of the specification as a result of successful testing of device type JANSF2N75863T1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /753, Revision D. This re-qualification was initiated due to a wafer process improvement for improved IGSS performance along with removing aluminum on backside of metal for standardizing generation designs. Extension is granted to the other device quality level 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 effective date of this qualification is December 16, 2014. The beginning lot date codes are 1338 for production lot 100K15M.1 and 1418 for production lot 100P411.1.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots):

Package	V _h	I _M	I _h	Pt	Dt	(screening) ΔVF	(QCI) ΔVF
T1	12V	10 mA	11.6 A	100 ms	30μs	105 mv	15% shift

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
SF 2N7586T1	A	3C	CCBS	19500-4329-15	/753	Same as above
					Plant (1):	HEXFET America 41915 Business Park Dr. Temecula, CA 92590 (Wafer Fabrication)

S Includes JANS quality level only

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

This qualification approval is based upon test report number 19500-4329-15 for for this requalification and test data for wafer process improvement and removal of aluminum back metal design changes, your letter dated July 25, 2014 and subsequent emails. 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 about this letter, contact Mr. Carl DelloStritto at 614-692-0616.

Sincerely,

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division