



DEFENSE LOGISTICS AGENCY

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

November 10, 2011

Mr. Martin Enright
International Rectifier
205 Crawford St.
Leominster, MA 01453

Dear Mr. Enright:

Re: VQ (VQE-12-023449); Group D Test Data Approval, MIL-PRF-19500P, FSC 5961,
CAGE 69210; Ctrl # 034761

Qualification of your product is granted based on successful radiation testing of device type
JANSF2N7589U3 to Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961 and
performance specification sheet /746B. This qualification was requested to add the 300 K rad level for the
parts listed below - which was approved in March 2010 but never published. Therefore, your products will
be listed as shown below in the Qualified Manufacturers List (QML) 19500. The starting wafer lot number
is Q787526D. The effective date of this qualification is March 1, 2010 and starting lot date code 0951.

The qualified thermal impedance conditions for conformance inspection and screening limit are as
follows: V_H= 12V, I_m=10mA, I_H=3.6A, Pt= 30µs, t_MD=30µsec, ΔVsd Limit = 70mV maximum, QCI Δ 15%

Table with 6 columns: Government Designation, ESD Class, Manufacturer Designation, Test Report Reference, Prf. Spec, Manufacturer Name & Address. Rows include SF 2N7589U3 and SF 2N7589U3C.

Plant (1): HEXFET America
41915 Business Park Dr.
Temecula, CA 92590
(Wafer Fabrication)

S Includes S quality level only

This qualification approval is based upon the test report numbers listed above and your Group D
radiation test data submission of October 27, 2011. 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 concerning this letter, please contact Mr. Carl DelloStritto (614) 692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
Chief
Sourcing and Qualifications Division