



DEFENSE LOGISTICS AGENCY

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

August 26, 2016

Ms. Kelley Price
Military Program Manager
IR HiRel, an Infineon Technologies Company
205 Crawford St.
Leominster, MA 01453

Dear Ms. Price:

Re: Notification of Qualification, MIL-PRF-19500P, Amend 3, FSC-5961, VQ (VQE-16-030686),
CAGE Code 69210, Control Number: 052390.

Qualification of your product is granted under the current issue of the specification as a result of successful testing of
device type JANSG2N7583U2 of Performance Specification MIL-PRF-19500P, Amend 3, Semiconductor Devices, FSC 5961,
and performance specification /760. Therefore, your products will be listed as shown below in the Qualified Manufacturers
List (QML) 19500. The effective date of this qualification is August 26, 2016. The beginning lot date code is 1538.

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

Table with 8 columns: Package, Vh, Im, Ih, Th, Dt, (Screening max) ΔVsd, (QCI max) ΔVsd. Row 1: SMD-2, 12V, 10 mA, 13.9 A, 10 ms, 30μs, 75 mv, 15% shift

Table with 7 columns: Government Designation, Lead Finish, ESD Class, Manufacturer Designation, Test Report Reference, Prf. Spec, Manufacturer Name & Address. Row 1: SG 2N7583U2, A, 3A, CCBS, 19500-4722-16, /760, Same as above

Plant (1): HEXFET America-FAB2
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 19500-4722-16 for your die & package and your letter
dated May 05, 2016. 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. Zade Karadsheh at zade.karadsheh@dla.mil.

Sincerely,

for ALAN J. WILL
Chief
Sourcing and Qualifications Division