



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

September 7, 2011

Ms. Beth Parker
 Microsemi Lawrence
 6 Lake Street
 Lawrence, MA 01841-3011

Dear Ms. Parker:

Re: Notification of Qualification Extension, MIL-PRF-19500P, FSC 5961; VQ (VQE-11-023813);
 CAGE Code: 43611

Qualification by extension of your products are granted under the current issue of the specification as a result of successful testing of device type JANS1N6355 as allowed by paragraph E.4.2.2 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961, and performance specification /533, Rev J. This request is to add JANS level product to your existing JAN-JANTXV quality levels. 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 effective date of this qualification is September 6, 2011. The starting lot date code is 1048.

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

| Package | I _M | I _H | t _H | t _{MD} | Z _{θJX} (Screening) | Z _{θJX} (QCI) |
|---------|----------------|----------------|----------------|-----------------|------------------------------|------------------------|
| DO-35 | 1 mA | 2 A | 10 ms | 70 μs | 10.34 °C/W max | 12.0 °C/W max |

| Government Designation | ESD Class | Manufacturer Designation | Test Report Reference | Prf Spec | Manufacturer Name & Address |
|---------------------------------------|-----------|--------------------------|-----------------------|----------|-----------------------------|
| S 1N6351 – 1N6355; C; D; US; CUS; DUS | NS | CDWR | 19500-3343-11 | /533 | Same as above |

S Includes JANS quality level only

Plant 1: Same as above

This qualification approval is based upon test report numbers 19500-3281-11 for your JAN data, 19500-2929-10 for your die and package, 19500-3343-11 for your JANS data, your letter dated August 4, 2011, and your subsequent emails requesting qualification. This approval 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