



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

December 10, 2018

Mr. Brian Greene  
 Solid State Devices Inc.  
 14701 Firestone Blvd.  
 La Mirada, CA 90631

Dear Mr. Greene:

Re: Notification of Qualification, MIL-PRF-19500P, Amend 3, FSC 5961; VQ (VQE-19-033317);  
 CAGE Code: 30043; Ctrl # 065122

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV1N5811 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Amendment 3, Semiconductor Devices, FSC 5961, and performance specification /477, Revision L, Amendment 2. 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 Qualified Manufacturers List (QML) 19500. The effective date of this qualification is November 30, 2018. The starting lot date code is 1742.

The qualification lot thermal impedance conditions and upper limit (axial leaded devices only) is as follows (subject to change after 5 lots with approval of the qualifying activity):

$I_M$	$I_{II}$	$t_{II}$	$t_{MD}$	ZOJX
10 mA	20 A	22 msec	75 $\mu$ s	1.132°C/W max

Government Designation	Lead Finish	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N5807	J	3A	CDVL	19500-5289-19	/477	Same as above
** 1N5809						
** 1N5811						

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

\*\* Includes JAN, JANTX, and JANTXV quality levels only

Plant 1: Same as above

This qualification approval is based upon test report numbers 19500-5289-19 for your die and package, your letter dated September 17, 2018, and subsequent emails with data, 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,

KOLONCHUK, RAYMOND.L.J  
 R.1230207093

Digitally signed by  
 KOLONCHUK, RAYMOND.L.J  
 DN: c=US, o=US Government,  
 ou=SD-6, ou=IP-3, ou=ISLA,  
 cn=KOLONCHUK, RAYMOND.L.J  
 0207093  
 Date: 2018.12.12 14:07:49 -0500

RAYMOND KOLONCHUK  
 Chief  
 Electronic Devices Team



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

January 23, 2019

Mr. Brian Greene  
 Solid State Devices Inc.  
 14701 Firestone Blvd.  
 La Mirada, CA 90631

Dear Mr. Greene:

Re: Notification of Qualification, MIL-PRF-19500P, Amend 4, FSC 5961; VQ (VQE-19-033471);  
 CAGE Code: 30043; Ctrl # 065587

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device type JANS1N5811 as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Amendment 4, Semiconductor Devices, FSC 5961, and performance specification /477, Revision L, Amendment 2. 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 Qualified Manufacturers List (QML) 19500. The effective date of this qualification is January 23, 2019. The starting lot date code is 1742.

The qualification lot thermal impedance conditions and upper limit (axial leaded devices only) is as follows (subject to change after 5 lots with approval of the qualifying activity):

$I_M$	$I_{II}$	$t_{II}$	$t_{MD}$	ZOJX
10 mA	20 A	22 msec	75 $\mu$ s	1.138°C/W max

Government Designation	Lead Finish	ESD Class 6/	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
S 1N5807	J	3A	CDVL	19500-5344-19	/477	Same as above
S 1N5809						
S 1N5811						

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

S Includes JANS quality levels only

Plant 1: Same as above

This qualification approval is based upon test report numbers 19500-5344-19 (for your JANS screening, group's A & B data ) and 19500-5289-19 (for your group's C & E data), your letter dated November 9, 2018, and subsequent emails with data, 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,

KOLONCHUK.R  
 AYMOND.LJR.1  
 230207093

Digitally signed by  
 KOLONCHUK.R, RAYMOND LJR, 1.2.30207093  
 DN: cn=US, o=41 S. Government, ou=DoD,  
 ou=PRC, email=K.  
 RAYMOND.LJR.1, 1.2.30207093  
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 Date: 2019.01.24 16:08:11 -0500

RAYMOND KOLONCHUK  
 Chief  
 Electronic Devices Team



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

February 14, 2020

Mr. Brian Greene  
 Solid State Devices Inc.  
 14701 Firestone Blvd.  
 La Mirada, CA 90631

Dear Mr. Greene:

Re: Notification of Qualification Extension MIL-PRF-19500P, Amend 4, FSC 5961;  
 VQ (VQE-20-034748); CAGE Code: 30043; Control Numbers 068627 and 070761.

This letter amends letter number VQE-19-034305 issued on September 12, 2019 to include the JANS quality level for the devices shown below, to correct the default lead finish to Hot Solder dip and to reference your November 2019 letter.

Qualification by Extension of your products below is granted under the current issue of the specification as a result of successful qualification testing of device type JANTXV1N5811US as allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Amendment 4, Semiconductor Devices, FSC 5961, and performance specification /477, Revision L, Amendment 2. 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 Qualified Manufacturers List (QML) 19500. The effective date of this qualification is September 12, 2019. The starting lot date code is 1742.

The qualification lot thermal impedance conditions and upper limit (surface mount devices only) is as follows (subject to change after 5 lots with approval of the qualifying activity):

$I_M$	$I_H$	$t_H$	$t_{MD}$	ZOJX
10 mA	20 A	22 msec	75 $\mu$ s	1.132°C/W max

Government Designation	Lead Finish	ESD Class	Manufacturer Designation	Test Report Reference	Prf Spec	Manufacturer Name & Address
** 1N5807US	A	3A	CDVL	19500-5593-19	/477	Same as above
** 1N5809US						
** 1N5811US						
S 1N5807US						
S 1N5809US						
S 1N5811US						
** Includes JAN, JANTX, and JANTXV quality levels only						Plant 1: Same as above
S Includes JANS quality level only						

This qualification extension is approval based upon test report numbers 19500-5289-19 for your die in axial package, 19500-5593-19 for your surface mount package data, and your letters dated August 6, 2019 and November 4, 2019, 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. Karadsheh at 614-692-0611.

Sincerely,

ROBERT M. HEBER  
Chief  
Sourcing and Qualifications Division