



Product Change Notification



Product Group: SIL/Wed Jul 14, 2021/PCN-SIL-025-2021-REV-0

SQ2309ES Test Program Update and Datasheet Revision

DESCRIPTION OF CHANGE: The SQ2309ES is not following our standard test procedure with respect to Unclamped Inductive switching (UIS also referred to as avalanche testing). For consistency we are making an adjustment to the test current, IAS, and to the associated data sheet specifications for IAS and EAS. The proposed new IAS value of -6.8A corresponds to the maximum recommended pulsed drain current value, IDM.

The existing test point for IAS of -15A was incorrectly selected and specified on our data sheet. This adjustment ensures that the UIS capability of the devices shipped is in line with the maximum specified operating conditions for the SQ2309ES.

REASON FOR CHANGE: Test Program and Datasheet Update

EXPECTED INFLUENCE ON QUALITY/RELIABILITY/PERFORMANCE: None

PART NUMBERS/SERIES/FAMILIES AFFECTED: SQ2309ES-T1_GE3, SQ2309ES-T1_BE3,

VISHAY BRAND(s): Vishay Siliconix

TIME SCHEDULE:

Start Shipment Date: Thu Dec 30, 2021

SAMPLE AVAILABILITY: Parts with new test program will start shipping in October 2021. Updated datasheet will be available by 10/1/21.

PRODUCT IDENTIFICATION: SQ2309ES-T1_GE3, SQ2309ES-T1_BE3

QUALIFICATION DATA: N/A

This PCN is considered approved, without further notification, unless we receive specific customer concerns before Tue Nov 30, 2021 or as specified by contract.

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For further information, please contact your regional Vishay office.

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