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PCN #201
Notification Date:
October 21, 2020

Product / Process Change Notice

Parts Affected:

The CMXTVS5-4 transient voltage suppressor (TVS) in the SOT-26 case.

Extent of Change:

The diameter of gold wire used in the assembly process is changing from 1.0 mil to 0.8 mil.

Reason for Change:

The new wire size is better suited to the bond pad dimensions of the die.

Effect of Change:

This change does not affect the fit, form or function of the devices.

Qualification:

Test	Condition	Duration	Failure rate
Temperature Cycling (T.C.)	TA= -55+0°C/-10°C 15min(Min) TA= +150+15°C/-0°C 15min(Min) Transfer time less than 1min. The load should reach temp. within 15min	1000 Cycles	0/77
High Temperature Reverse Bias (HTRB)	TA=140°C, VR=100%VB DC supply	1000 Hours	0/77
Resistance to Solder Heat (R.S.H.)	T =260°C ±5°C Dwell time = 10 sec.	1 Cycle	0/30
High Temp. Storage Life (H.T.S.L.)	TA= +150°C	1000 Hours	0/77
Thermal Shock Test (T.S.T.)	TA=0°C (5 min) ~ +100°C (5 min)	100 Cycles	0/77
Temperature Humidity Storage (T.H.S)	TA=85°C, RH=85%	1000 Hours	0/77
Autoclave (AC)	Temperature = 121°C ± 2°C; relative humidity =100%; vapor pressure = 29.7 psia (15psig)	96 Hours	0/77
Solderability (SD)	Temperature of solder Pb free: POT=245±5°C Solder immersion time=5±0.5 sec	1 Cycle	0/10



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Effective Date of Change:

Existing inventory will be shipped until depleted.

Sample Availability:

Please contact your salesperson or manufacturer's representative for samples.

As per JEDEC standard JESD46, Customer Notification of Product/Process Changes by Solid-State Suppliers, a lack of acknowledgement of a PCN within thirty (30) days constitutes acceptance of the change.

The undersigned acknowledges and accepts Central Semiconductor's Product/Process Change Notification (PCN).

Company Name:	
Address:	
Printed Name:	
Title:	
Signature:	
Date:	