

PCN # 180
Notification Date:
February 4, 2020

Product / Process Change Notice

Parts Affected:

Transient voltage suppressors (TVS) manufactured in the SOD-123F package.

Extent of Change:

Addition of new wafer fab.

Reason for Change:

As part of Central Semiconductor's supply chain risk mitigation initiative, and in an effort to ensure undisrupted product supply, an additional wafer fabrication site is being added for the referenced product families. Product specifications, quality and reliability are not impacted by this addition.

Effect of Change:

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

Qualification:

Test	Condition	Duration	Failure rate
Pre Conditioning(P.C) (SMD qualification parts before test T.C., A.C, T.H.B , I.O.L and R.S.H)	1. TCT -55~+150 °C ,5 cycle 2. Bake 125 +5/-0 °C , 24hours 3. Temperature humidity 85°C/85%RH, 168hours 4. Reflow 3 times	1 Cycle	0/77
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=175°C, VR=100%VB DC supply	168 Hours	0/77
Resistance to Solder Heat (R.S.H.)	T =260°C ±5°C Dwell time = 10 sec.	1 Cycle	0/30
Solderability (SD)	Temperature of solder Pb free: POT=245±5°C Solder immersion time=5±0.5 sec Dipping depth= within 1.27mm of the body.	1 Cycle	0/10
Autoclave (A.C.)	Temperature = 121°C ± 2°C; relative humidity = 100%; vapor pressure = 29.7 psia (15psig)	96 Hours	0/77
High Humidity High Temperature Reverse Bias (H3TRB)	TA=85°C+/-2°C RH=85%+/-5% VR=80%VB DC Supply	1000 Hours	0/77



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Effective Date of Change:

March 2, 2020 or sooner if approved by customer.

Sample Availability:

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

Part Numbers Affected:

CMF5.0A	CMF6.0A	CMF6.5A	CMF7.0A	CMF7.5A	CMF8.0A
CMF8.5A	CMF9.0A	CMF10A	CMF11A	CMF12A	CMF13A
CMF14A	CMF15A	CMF16A	CMF17A	CMF18A	CMF20A
CMF22A	CMF24A	CMF26A	CMF28A	CMF30A	CMF33A
CMF36A	CMF40A	CMF43A	CMF45A	CMF48A	CMF51A
CMF54A	CMF58A	CMF60A	CMF64A	CMF70A	CMF75A
CMF78A	CMF85A	CMF90A	CMF100A	CMF110A	CMF120A
CMF130A	CMF150A	CMF160A	CMF170A		

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:	