

PCN #205
Notification Date:
February 16, 2021

Product / Process Change Notice

Parts Affected:

Schottky rectifiers manufactured in SMA, SMB and SMC cases.

Extent of Change:

Additional wafer fab site.

Reason for Change:

As part of Central Semiconductor's supply chain risk mitigation initiative, in an effort to ensure an undisrupted supply of product, an additional wafer fabrication site is being added for the referenced product family. 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 devices.

Qualification:

Test	Condition	Duration	Failure rate
Temperature Cycling (T.C.)	TA= -55+0°C/-10°C 10min(Min) TA= +150+15°C/-0°C 10min(Min) Transfer time less than 1min. The load should reach temp. within 15min	1000 Cycles	0/77 2 Lots
High Temp. Storage Life (H.T.S.L.)	TA= +150°C	1000 Hours	0/77 2 Lots
Continue Forward Operating Life (C.F.O.L.)	TA=+25°C, VR=100%VB I=IO±10% DC supply	168 Hours	0/77 2 Lots
Resistance to Solder Heat (R.S.H.)	T =260°C ±5°C Dwell time = 10 sec.	1 Cycle	0/30 2 Lots
High Temp. Reverse Bias (H.T.R.B.)	TA=+140°C, VR=80%VB DC Supply	1000 Hours	0/77 2 Lots
Thermal Shock Test (T.S.T.)	TA=0°C (5 min) ~ +100°C (5 min)	100 Cycles	0/77 2 Lots



145 Adams Avenue, Hauppauge, NY 11788 USA
Tel: (631) 435-1110 • Fax: (631) 435-1824

www.centralemi.com

<mailto:processchange@centralemi.com>

<https://www.centralemi.com/process-change-notice>

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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.

Part Numbers Affected:

SMA case	SMB case	SMC case
CMSH1-100HE	CMSH3-100MHV	CMSH5-100HV
CMSH1-150HE	CMSH3-150MHV	CMSH5-150HV
CMSH1-200HE	CMSH3-200MHV	CMSH5-200HV
CMSH1-100M	CMSH2-100	CMSH3-100
CMSH2-100M	CMSH3-100M	CMSH5-100
CMSH3-100MA		

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:	