

Product / Process Change Notice

Part Affected:

CMKD6263 Schottky diode manufactured in the SOT-363 case.

Extent of Change:

Additional assembly location.

Reason for Change:

As part of Central Semiconductor's supply chain risk mitigation initiative, and in an effort to ensure an uninterrupted supply of product, an additional assembly location is being added for the referenced product. Device 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 device.

Qualification:

No.	Test	Conditions (Reference standards are in bold)	Qty	Pass/Fail	Test Results
1	Device Life Tests				
A	High Temperature Reverse Bias (HTRB)	T=125°C, t = 1000 hours Bias Conditions per Device Datasheet JESD22-A108	77	Pass	77/77
B	High Temperature Storage Life (HTSL)	T=150°C, t = 1000 hours JESD22-A103	77	Pass	77/77
C	Thermal Shock	100 cycles, dwell time = 5 min, -65°C to +150°C, max transfer time = 20 sec. JESD22-A106	77	Pass	77/77
D	Temperature Cycling (TC)	-65°C to +150°C, T _{dwell} = 15min, 1000 cycles MIL-STD-750 TM1051	77	Pass	77/77
E	Continuous Forward Operating Life (CFOL)	T=25°C, t = 168 hours I=IO +/- 10% DC supply JESD22-A108	77	Pass	77/77
F	Resistance To Solder Shock	Pb free: T =270°C ±5°C, Dwell=7s +2/-0 Thru-hole devices submerge to case, JESD22-B106	5	Pass	5/5

PCN #208
Notification Date:
February 2, 2021

G	Solderability	Steam Age: T=93°C +3/-5°C. Pb-free Dip: T=245°C +/-5°C, Dwell time = 5+/-0.5sec MIL-STD-750 TM2026	15	Pass	15/15
H	Temperature and Humidity Storage (THS)	T = 85°C, RH = 85%, t = 1000 hrs as per JESD22-A101 .	77	Pass	77/77
I	Autoclave	Temperature = 121°C ± 2°C; relative humidity = 100%; vapor pressure, 29.7 psia (15 psig), t = 96 hrs. JESD22-A102	77	Pass	77/77
J	Intermittent Operational Life (IOL)	Ta=25°C, ΔTj>=100°C I=1.0 × IO DC supply ton = 2min, toff = 2min, 15000 cycles MIL-STD-750 TM1037 & JESD22-A105	77	Pass	77/77

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:	