

PCN #214
Notification Date:
June 7, 2021

Product / Process Change Notice

Parts Affected:

Axial leaded diodes, rectifiers and transient voltage suppressors (TVS) manufactured in case 106, DO-15, DO-201, DO-201AD and DO-41 cases.

Extent of Change:

Additional assembly site.

Reason for Change:

As part of Central Semiconductor's supply chain risk mitigation initiative, in an effort to ensure an uninterrupted supply of product, an additional assembly 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 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
Temp. Humidity Storage (T.H.S.)	TA=+85°C, RH=85%	1000 Hours	0/77 2 Lots
Test	Condition	Duration	Failure rate

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Forward Surge Current (F.S.C.)	Square Wave or Sine Wave IFSM per the Data Sheet Duration of Pulses $t_p=8.3\text{ms}$	1 Cycle	0/10 2 Lots
Solderability (S.D.)	Temperature of Solder Pot= $245^{\circ}\text{C} \pm 5^{\circ}\text{C}$ Dip Time in Pot 5 sec ± 0.5 sec	1 Cycle	0/77 2 Lots
Autoclave (A.C.)	TA= $+121^{\circ}\text{C}$, P=29.7psia RH=100%	96 Hours	0/77 2 Lots

Earliest Effective Date of Change:

August 12, 2021

Inventory Availability

Existing inventory will be shipped until depleted.

Sample Availability:

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

Part Numbers Affected:

Case 106	DO-15 case	DO-201 case	DO-201AD case	DO-41 case
CR6A2GPP series	1N5391 series	CZ5338B series	1N5401 series	1N4007
CEN1142	CR2-101 series	1.5CE6.8A series	CRSH3-2 series	1N4462 series
CEN1236	P6KE6.8A series	1.5CE6.8CA series	CRSH5-2 series	1N4733A series
CEN1270	P6KE6.8CA series		CR3U-010 series	1N4933 series
			CR5F-060 series	1N5817 series
			CR5U-040 series	CRSH1-3 series



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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:	