

PCN #199
Notification Date:
February 16, 2021

Product / Process Change Notice

Parts Affected:

The CPD22 wafer process for 1A, 1000V rectifiers.

Extent of Change:

Change in wafer fab site; and change in anode pad size from 26 x 26 mils to 28 x 28 mils.

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, a change in wafer fabrication site is being made for the referenced products. Product specifications, quality and reliability are not impacted by this change.

Effect of Change:

This change does not affect device electrical characteristics or performance.

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
High Temp. Storage Life (H.T.S.L.)	TA= +150°C	1000 Hours	0/77
Continue Forward Operating Life (C.F.O.L)	TA=+25°C, VR=100%VB I=IO±10% DC supply	168 Hours	0/77
Autoclave (AC)	Temperature = 121°C ± 2°C; relative humidity = 100%; vapor pressure = 29.7 psia (15psig)	96 Hours	0/77
Intermittent Forward Operation Life (I.O.L.)	I=1.0 × IF DC supply On time: 2mins at least, Off time: 2mins at least	15,000 Cycles	0/77
High Temp. Reverse Bias (H.T.R.B.)	TA=+140°C, VR=80%VB DC Supply	96 Hours	0/77

Effective Date of Change:



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

www.centrialsemi.com

<mailto:processchange@centrialsemi.com>

<https://www.centrialsemi.com/process-change-notices>

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Existing inventory will be shipped until depleted.

Sample Availability:

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

Part Numbers Affected:

CPD22-1N5622-CT

CPD22-1N5622-WN

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:	