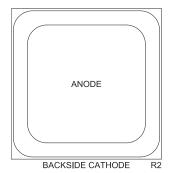


CPD07-CR6A6GPP

General Purpose Rectifier Die 6.0 Amp, 600 Volt

The CPD07-CR6A6GPP is a silicon 6.0 Amp, 600 Volt general purpose rectifier ideal for all types of industrial, consumer, medical, and power supply applications.



MECHANICAL SPECIFICATIONS:

Die Size	100 x 100 MILS		
Die Thickness	8.7 MILS		
Anode Bonding Pad Size	78.8 x 78.8 MILS		
Top Side Metalization	Ni/Au – 4,500Å/1,350Å		
Back Side Metalization	Ni/Au – 5,000Å/1,350Å		
Scribe Alley Width	4.5 MILS +/- 0.6 MILS		
Wafer Diameter	4 INCHES		
Gross Die Per Wafer	1,056		

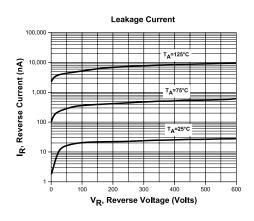
MAXIMUM RATINGS: (T _A =25°C)	SYMBOL		UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	600	V
DC Blocking Voltage	V_{R}	600	V
RMS Reverse Voltage	V _R (RMS)	420	V
Non-Repetitive Peak Reverse Voltage	, ,		
(Halfwave, single phase, 60Hz peak)	V_{RSM}	720	V
Average Forward Current (T _A =60°C)	IO	6.0	Α
Peak Forward Surge Current, tp=8.3ms	I _{FSM}	400	Α
Operating and Storage Junction Temperature	T_{J}, T_{stg}	-65 to +150	°C
ELECTRICAL CHARACTERISTICS: (TA=25°C t	unless otherwise)		

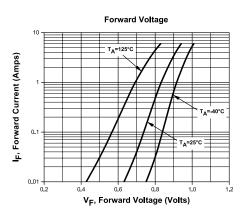
CPD07-CR6A6GPP

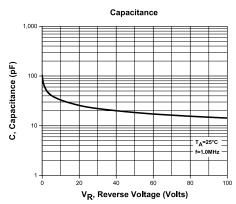
Typical Electrical Characteristics

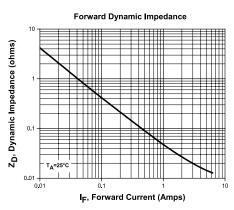


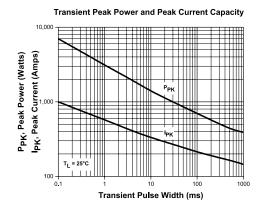
www.centralsemi.com

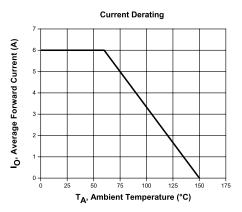












BARE DIE PACKING OPTIONS

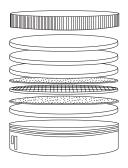




BARE DIE IN TRAY (WAFFLE) PACK

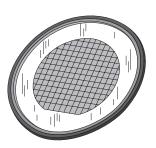
CT: Singulated die in tray (waffle) pack. (example: CP211-PART NUMBER-CT)

CM: Singulated die in tray (waffle) pack 100% visually inspected as per MIL-STD-750, (method 2072 transistors, method 2073 diodes). (example: CP211-PART NUMBER-CM)



UNSAWN WAFER

WN: Full wafer, unsawn, 100% tested with reject die inked. (example: CP211-PART NUMBER-WN)



SAWN WAFER ON PLASTIC RING

WR: Full wafer, sawn and mounted on plastic ring, 100% tested with reject die inked.

(example: CP211-PART NUMBER-WR)

Please note: Sawn Wafer on Metal Frame (WS) is possible as a special order. Please contact your Central Sales Representative at 631-435-1110.



Visit the Central website for a complete listing of specifications: www.centralsemi.com/bdspecs

R2 (3-April 2017)

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



PRODUCT SUPPORT

Central's operations team provides the highest level of support to insure product is delivered on-time.

- Supply management (Customer portals)
- · Inventory bonding
- · Consolidated shipping options

- · Custom bar coding for shipments
- · Custom product packing

DESIGNER SUPPORT/SERVICES

Central's applications engineering team is ready to discuss your design challenges. Just ask.

- Free guick ship samples (2nd day air)
- Online technical data and parametric search
- SPICE models
- · Custom electrical curves
- · Environmental regulation compliance
- · Customer specific screening
- · Up-screening capabilities

- Special wafer diffusions
- PbSn plating options
- Package details
- Application notes
- · Application and design sample kits
- · Custom product and package development

REQUESTING PRODUCT PLATING

- 1. If requesting Tin/Lead plated devices, add the suffix "TIN/LEAD" to the part number when ordering (example: 2N2222A TIN/LEAD).
- 2. If requesting Lead (Pb) Free plated devices, add the suffix "PBFREE" to the part number when ordering (example: 2N2222A PBFREE).

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp. 145 Adams Avenue Hauppauge, NY 11788 USA

Main Tel: (631) 435-1110 Main Fax: (631) 435-1824

Support Team Fax: (631) 435-3388

www.centralsemi.com

Worldwide Field Representatives: www.centralsemi.com/wwreps

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