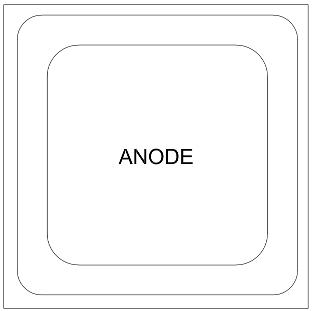
# CPD26-CR6AF4GPP

## Fast Rectifier Die
## 6.0 Amp, 400 Volt

The CPD26-CR6AF4GPP is a silicon 6.0 Amp, 400 Volt fast rectifier ideal for all types of industrial, consumer, medical, and power supply applications.



BACKSIDE CATHODE R0

**MECHANICAL SPECIFICATIONS:**

| | |
|---|---|
| Die Size | 99 x 99 MILS |
| Die Thickness | 11 MILS |
| Anode Bonding Pad Size | 72.4 x 72.4 MILS |
| Top Side Metalization | Ni/Au – 5,000Å/1,350Å |
| Back Side Metalization | Ni/Au – 5,000Å/1,350Å |
| Scribe Alley Width | 2.0 MILS |
| Wafer Diameter | 4 INCHES |
| Gross Die Per Wafer | 1,000 |

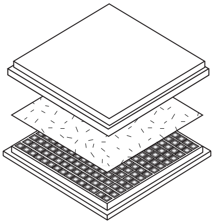
**MAXIMUM RATINGS:** ($T_A$=25°C unless otherwise noted)

| | SYMBOL | | UNITS |
|---|---|---|---|
| Peak Repetitive Reverse Voltage | $V_{RRM}$ | 400 | V |
| DC Blocking Voltage | $V_R$ | 400 | V |
| RMS Reverse Voltage | $V_{R(RMS)}$ | 280 | V |
| Average Forward Current ($T_A$=60°C) | $I_O$ | 6.0 | A |
| Peak Forward Surge Current, tp=8.3ms | $I_{FSM}$ | 400 | A |
| Operating and Storage Junction Temperature | $T_J$, $T_{stg}$ | -65 to +150 | °C |

**ELECTRICAL CHARACTERISTICS:** ($T_A$=25°C unless otherwise)

| SYMBOL | TEST CONDITIONS | MIN | MAX | UNITS |
|---|---|---|---|---|
| $I_R$ | $V_R$=400V | | 10 | μA |
| $V_F$ | $I_F$=6.0A | | 1.3 | V |
| $t_{rr}$ | $I_F$=0.5A, $I_R$=1.0A, $I_{rr}$=0.25A | | 200 | ns |

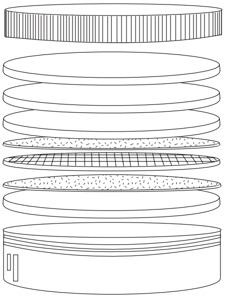
# BARE DIE PACKING OPTIONS



## BARE DIE IN TRAY (WAFFLE) PACK

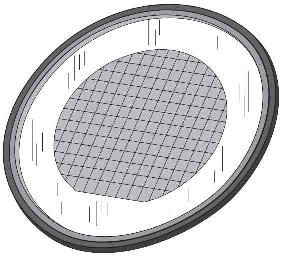
**CT**: Singulated die in tray (waffle) pack.
**(example: CP211-PART NUMBER-CT)**

**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

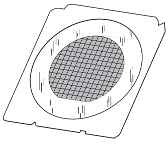
**WN**: Full wafer, unsawn, 100% tested with reject die inked.
**(example: CP211-PART NUMBER-WN)**



## 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

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## 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

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## DESIGNER SUPPORT/SERVICES

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

- Free quick 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

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## 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).

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## CONTACT US

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