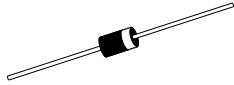


**CRSH5-2 SERIES
CRSH5-2G* SERIES**

**SCHOTTKY BARRIER RECTIFIERS
5.0 AMP, 20 THRU 80 VOLTS**



CASE DO-201AD

**Central™
Semiconductor Corp.**

DESCRIPTION:

The CENTRAL SEMICONDUCTOR CRSH5-2 Series types are 5.0 Amp, Glass Passivated Schottky Barrier Rectifiers mounted in axial lead epoxy cases using metal-to-silicon junctions to yield low forward voltage drops.

MARKING: FULL PART NUMBER

* Device is *Halogen Free* by design

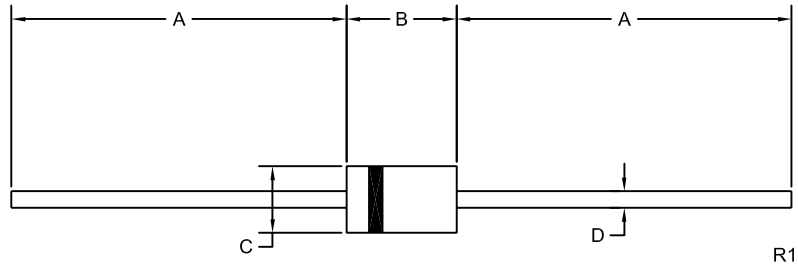
MAXIMUM RATINGS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

| | SYMBOL | CRSH5 | | | | | | UNITS |
|---|----------------|------------|------------|-------------|------------|------------|------------|------------------|
| | | -2 | -3 | -4 | -5 | -6 | -8 | |
| | | <u>-2G</u> | <u>-3G</u> | <u>-4G</u> | <u>-5G</u> | <u>-6G</u> | <u>-8G</u> | |
| Peak Repetitive Reverse Voltage | V_{RRM} | 20 | 30 | 40 | 50 | 60 | 80 | V |
| DC Blocking Voltage | V_R | 20 | 30 | 40 | 50 | 60 | 80 | V |
| RMS Reverse Voltage | $V_{R(RMS)}$ | 14 | 21 | 28 | 35 | 42 | 56 | V |
| Average Forward Current ($T_L=100^\circ\text{C}$) | I_O | | | | 5.0 | | | A |
| Peak Forward Surge Current | I_{FSM} | | | | 250 | | | A |
| Operating and Storage | | | | | | | | |
| Junction Temperature | T_J, T_{stg} | | | -65 to +150 | | | | $^\circ\text{C}$ |

ELECTRICAL CHARACTERISTICS: ($T_A=25^\circ\text{C}$ unless otherwise noted)

| SYMBOL | TEST CONDITIONS | MIN | MAX | UNITS |
|--------|--|-----|------|-------|
| I_R | $V_R=\text{Rated } V_{RRM}$ | | 10 | mA |
| I_R | $V_R=\text{Rated } V_{RRM}, T_A=100^\circ\text{C}$ | | 100 | mA |
| V_F | $I_F=5.0\text{A (20V, 30V, 40V)}$ | | 0.57 | V |
| V_F | $I_F=5.0\text{A (50V, 60V, 80V)}$ | | 0.70 | V |

CASE DO-201AD - MECHANICAL OUTLINE



| DIMENSIONS | | | | |
|------------|--------|-------|-------------|------|
| SYMBOL | INCHES | | MILLIMETERS | |
| | MIN | MAX | MIN | MAX |
| A | 1.000 | - | 25.40 | - |
| B | 0.283 | 0.375 | 7.20 | 9.53 |
| C | 0.189 | 0.210 | 4.80 | 5.33 |
| D | 0.047 | 0.052 | 1.20 | 1.32 |

DO-201AD (REV: R1)

MARKING: FULL PART NUMBER