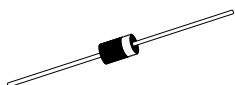


**CRSH5-2 SERIES
CRSH5-2G* SERIES**

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



CASE DO-201AD

CentralTM

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

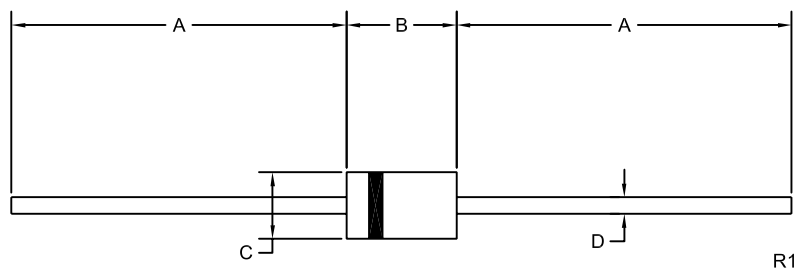
MAXIMUM RATINGS: ($T_A=25^{\circ}\text{C}$ unless otherwise noted)

	SYMBOL	CRSH5						UNITS
		-2	-3	-4	-5	-6	-8	
		-2G	-3G	-4G	-5G	-6G	-8G	
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