

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CRSH5 SERIES

SCHOTTKY BARRIER RECTIFIERS
5.0 AMP, 20 THRU 80 VOLTS

CASE 103

DESCRIPTION

The CENTRAL SEMICONDUCTOR CRSH5 Series types are Schottky Barrier Rectifiers mounted in a Axial lead epoxy case using metal to silicon junction to yield low forward voltage drop and instantaneous reverse recovery times.

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

	CRSH5 SYMBOL	-2	CRSH5 -3	CRSH5 -4	CRSH5 -5	CRSH5 -6	CRSH5 -8	UNIT
Peak Repetitive 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	UNIT
I_R	V_R =Rated V_{RRM}		10	mA
I_R	V_R =Rated V_{RRM} . $T_A=100^\circ\text{C}$		100	mA
V_F	I_F =Rated I_O , (20V thru 40V)		0.57	V
V_F	I_F =Rated I_O , (50V thru 80V)		0.7	V