

CentralTM Semiconductor Corp.

145 Adams Avenue, Hauppauge, NY 11788 USA

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

Manufacturers of World Class Discrete Semiconductors

CRSH8A SERIES

SCHOTTKY BARRIER RECTIFIERS
8.0 AMP, 20 THRU 45 VOLTS

CASE 103

DESCRIPTION

The CENTRAL SEMICONDUCTOR CRSH8A series types are schottky barrier rectifiers mounted in an axial lead epoxy case using a metal to silicon junction to yield low forward voltage drop and instantaneous reverse recovery times. Higher voltage types are available upon request.

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

	SYMBOL	CRSH8A-2	CRSH8A-3	CRSH8A-4	CRSH8A-4.5	UNIT
Peak Repetitive Voltage	V_{RRM}	20	30	40	45	V
DC Blocking Voltage	V_R	20	30	40	45	V
RMS Reverse Voltage	$V_R(RMS)$	14	21	28	32	V
Average Forward Current ($T_L=100^\circ\text{C}$)	I_O			8.0		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	$V_R=\text{Rated } V_{RRM}$		10	mA
I_R	$V_R=\text{Rated } V_{RRM}, T_A=100^\circ\text{C}$		100	mA
V_F	$I_R=8.0\text{A}$		0.55	V
V_F	$I_F=16\text{A}$		0.65	V