

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°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°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			°C

ELECTRICAL CHARACTERISTICS (T_A=25°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°C		100	mA
V _F	I _R =8.0A		0.55	V
V _F	I _F =16A		0.65	V

OUTSTANDING SUPPORT AND SUPERIOR SERVICES



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

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

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).

CONTACT US

Corporate Headquarters & Customer Support Team

Central Semiconductor Corp.
145 Adams Avenue
Hauppauge, NY 11788 USA
Main Tel: (631) 435-1110
Main Fax: (631) 435-1824
Support Team Fax: (631) 435-3388
www.centrasemi.com

Worldwide Field Representatives:
www.centrasemi.com/wwreps

Worldwide Distributors:
www.centrasemi.com/wwdistributors

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