

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CRSH75-3
CRSH75-4
CRSH75-5

SCHOTTKY BARRIER RECTIFIER
75 AMPS, 30 TO 50 VOLTS

JEDEC DO-5 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR CRSH75-3 series types are schottky barrier rectifiers mounted in a hermetically sealed metal stud package, featuring a low forward voltage drop and instantaneous reverse recovery times.

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

	SYMBOL	CRSH75-3	CRSH75-4	CRSH75-5	UNIT
Peak Repetitive Reverse Voltage	V_{RRM}	30	40	50	V
DC Blocking Voltage	V_R	30	40	50	V
RMS Reverse Voltage	$V_R(\text{RMS})$	21	28	35	V
Average Forward Current ($T_C=120^{\circ}\text{C}$)	I_O		75		A
Peak Forward Surge Current	I_{FSM}		1200		A
Operating and Storage					
Junction Temperature	T_J, T_{STG}		-65 to +175		$^{\circ}\text{C}$
Thermal Resistance	θ_{JC}		0.80		$^{\circ}\text{C}/\text{W}$

ELECTRICAL CHARACTERISTICS ($T_C=25^{\circ}\text{C}$)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I_R	$V_R=\text{Rated } V_{RRM}$		25	mA
V_F	$I_F=75\text{A}$		0.7	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

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