

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°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 (RMS)	21	28	35	V
Average Forward Current (T _C =120°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		°C
Thermal Resistance	θ _{JC}		0.80		°C/W

ELECTRICAL CHARACTERISTICS (T_C=25°C)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
I _R	V _R =Rated V _{RRM}		25	mA
V _F	I _F =75A	0.7		V

