

CentralTM Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

CRSH3 SERIES

SCHOTTKY BARRIER RECTIFIER
3.0 AMPS, 20 THRU 60 VOLTS

JEDEC DO-201AD CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR CRSH3 Series types are Schottky Barrier Rectifiers mounted in an axial lead epoxy case using a metal to silicon junction to yield low forward voltage drops and instantaneous reverse recovery times.

MAXIMUM RATINGS (T_A = 25°C unless otherwise noted)

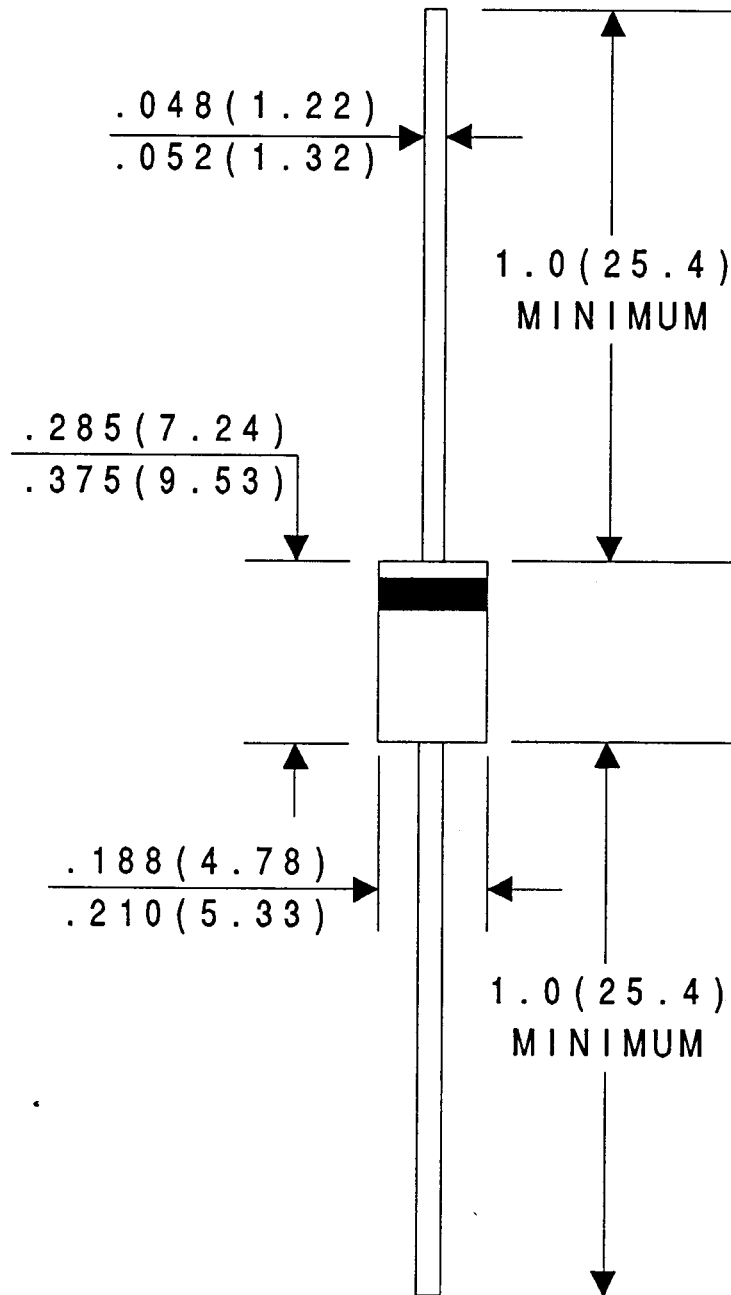
	SYMBOL	CRSH3 -2	CRSH3 -3	CRSH3 -4	CRSH3 -5	CRSH3 -6	UNITS
Peak Repetitive Reverse Voltage	V _{RRM}	20	30	40	50	60	V
DC Blocking Voltage	V _R	20	30	40	50	60	V
RMS Reverse Voltage	V _{R(RMS)}	14	21	28	35	42	V
Average Forward Current	I _O			3.0			A
Peak Forward Surge Current(8.3ms)	I _{FSM}			100			A
Storage Temperature	T _{STG}			-65 to +150			°C
Junction Temperature	T _J	-65	to	+125	-65 to	+150	°C
Thermal Resistance	θ _{JA}	20	20	20	10	10	°C/W

ELECTRICAL CHARACTERISTICS (T_A = 25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
I _R	V _R = Rated V _{RRM}			3.0	mA
I _R	V _R = Rated V _{RRM} , T _A = 100°C			20	mA
V _F	I _F = 3.0A (20V THRU 40V)			0.5	V
V _F	I _F = 3.0A (50V AND 60V)			0.75	V
C _J	V _F = 4.0V, f = 1.0MHz		250		pF

(See Reverse Side)

JEDEC DO-201AD CASE - MECHANICAL OUTLINE



All Dimensions in Inches (mm).