Central™
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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)

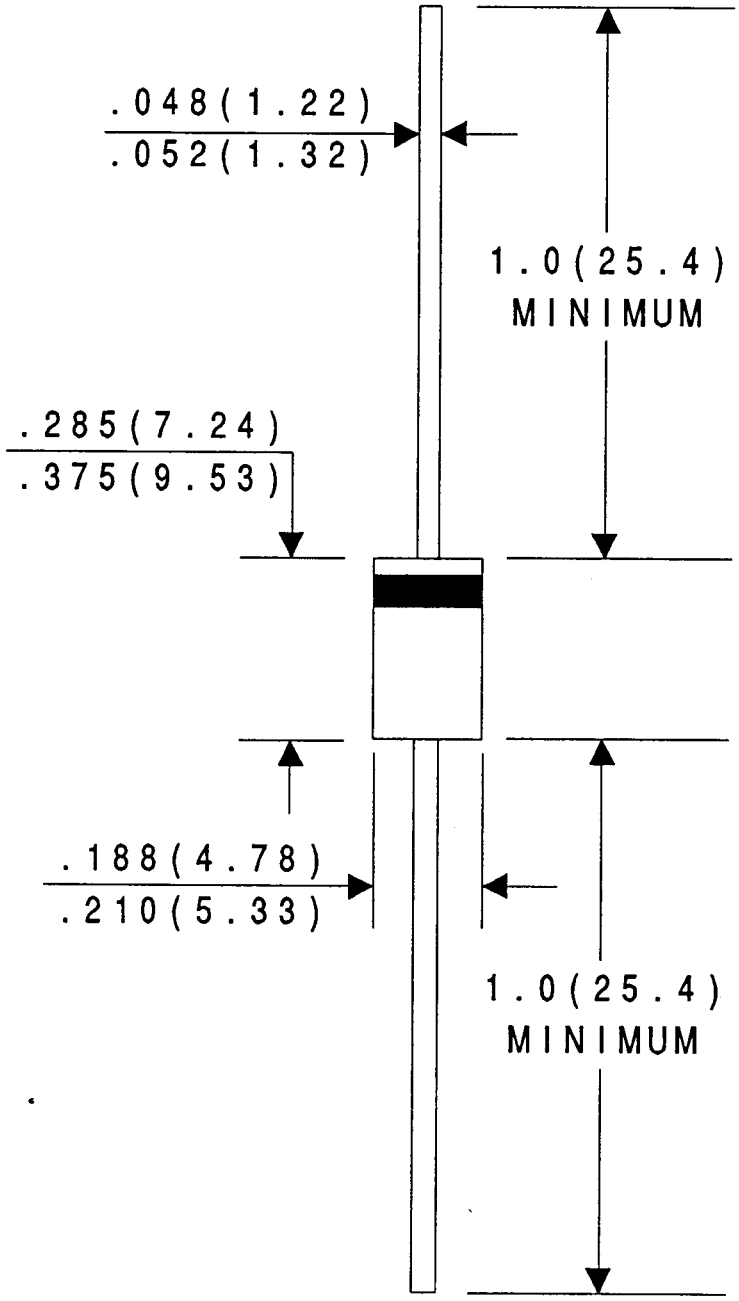
	SYMBOL	CRSH3 -2	CRSH3 -3	CRSH3 -4	CRSH3 -5	CRSH3 -6	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	20	30	40	50	60	V
DC Blocking Voltage	V_R	20	30	40	50	60	V
RMS Reverse Voltage	$V_{R(RMS)}$	14	21	28	35	42	V
Average Forward Current	I_O			3.0			A
Peak Forward Surge Current(8.3ms)	I_{FSM}			100			A
StorageTemperature	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).

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