

Surface Monut Schottky Barrier Diode

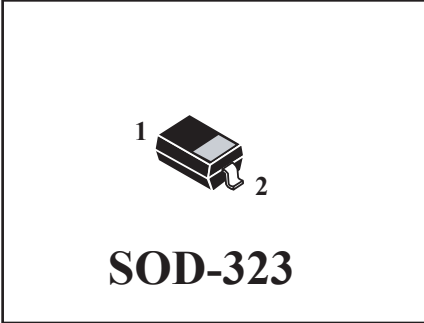
Features:

*Extremely Low V_F

*Very Small Conduction Losses.

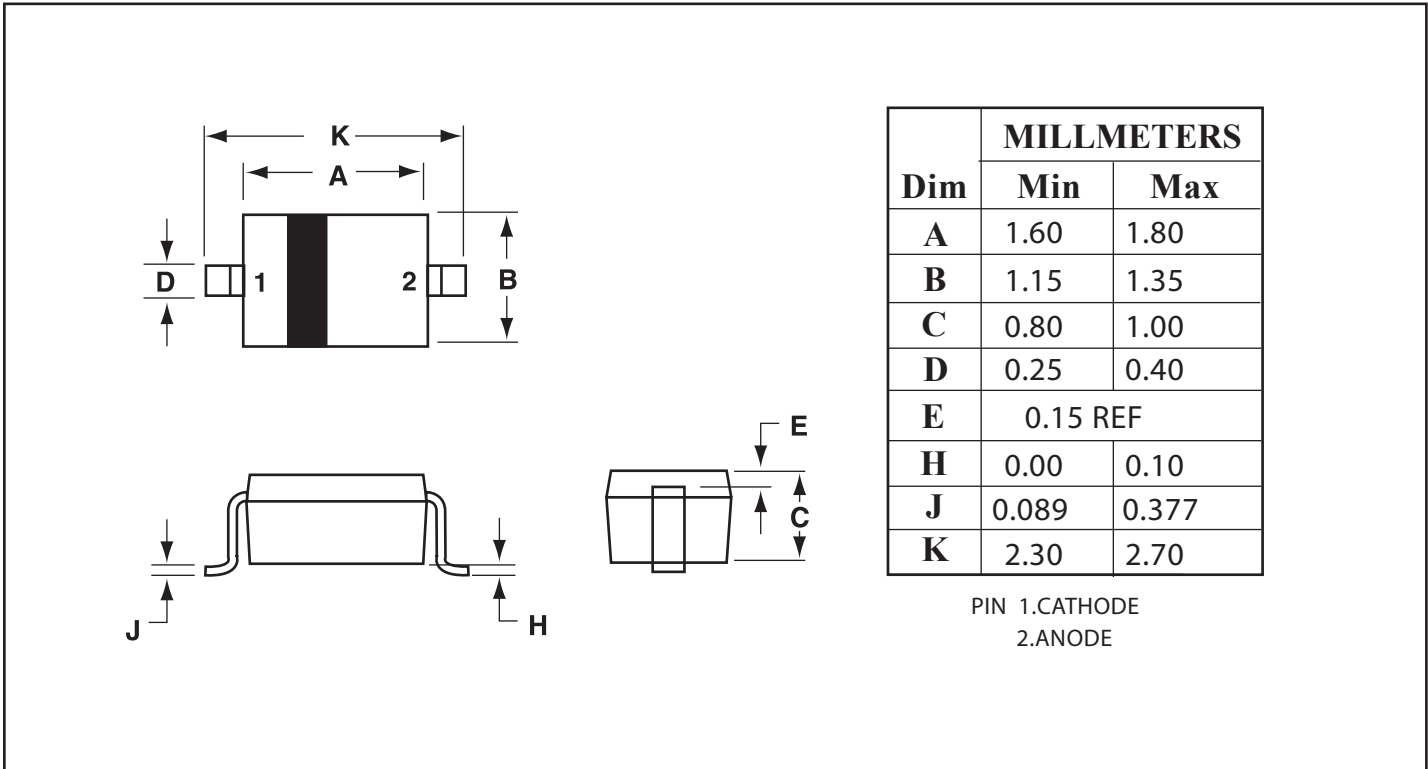
*Schottky Barrier Diodes Encapsulated in SOD-323 Package.

**SCHOTTKY BARRIER
RECTIFIERS
100m AMPERES
40 VOLTS**



SOD-323 Outline Demensions

Unit:mm



MAXIMUM RATING

Characteristics	Symbol	WSD 500H	Unit
Reverse Breakdown Voltage	V_R	40	Volts
Average Rectified Forward Current	I_O	100	mAmps
Peak Forward Surge Current (8.3ms 1/2 Sine Wave)	I_{FSM}	1.0	Amps
Storage Temperature	T_{stg}	-40 to+125	$^{\circ}C$

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

Characteristics	Symbol	MIN	MAX	Unit
Device Marking		JV , 5		
Reverse Breakdown Voltage $I_R=100\mu A$	$V_{(BR)R}$	40		Volts
Maximum Instantaneous Forward Voltage $I_F=10mA$	V_F		0.45	Volts
Maximum Instantaneous Reverse Current ($V_R=10V$)	I_R		1.0	μ Amps
Typical Junction Capacitance ($V_R=10V, f=1MHz$)	C_J		20	pF

Electrical Characteristics Curves (Ta=25°C unless specified otherwise)

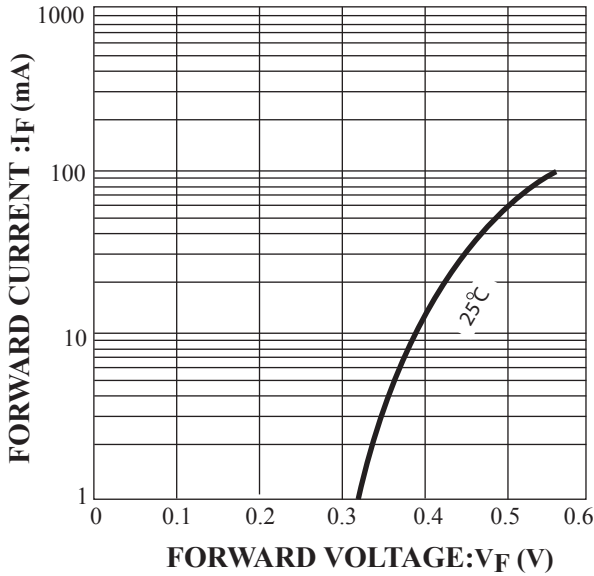


FIG: 1 Forward Characteristics

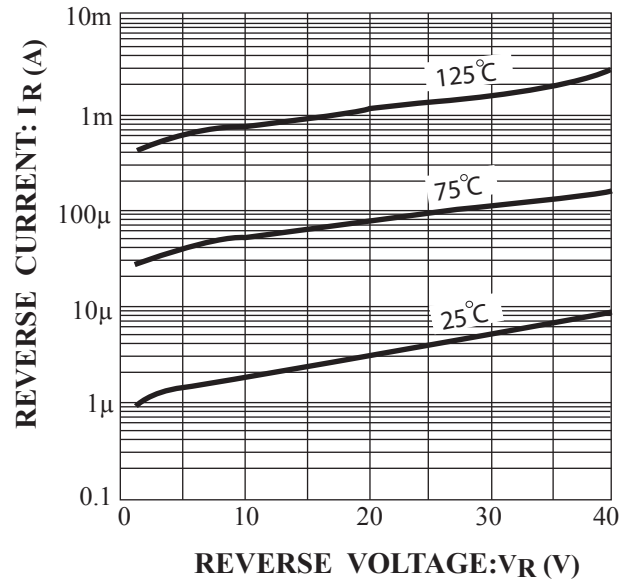


FIG.2 Reverse Characteristics

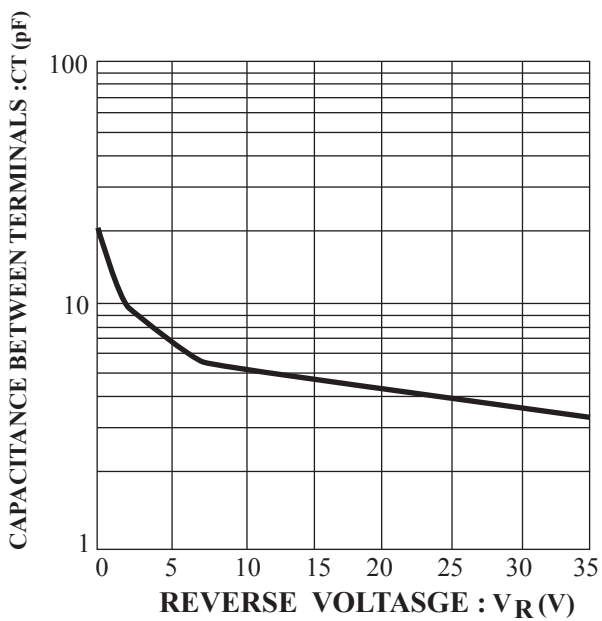


FIG.3 Capacitance Between Terminals Characteristics

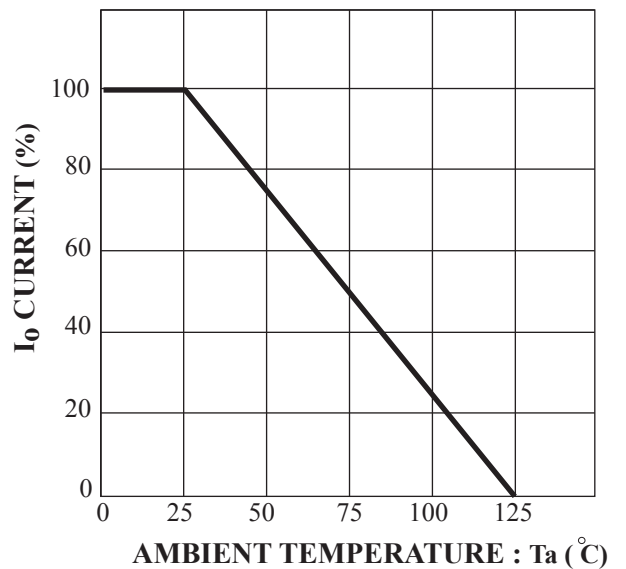


FIG.4 Derating Curve (mounting on glass epoxy PCBs)