

Surface Mount Schottky Barrier Diode

 Lead(Pb)-Free

Features:

- *Extremely Low VF.
- *Very Small Conduction Losses.
- *Schottky Barrier Diodes Encapsulated in SOD-323 Package.

SCHOTTKY BARRIER
RECTIFIERS

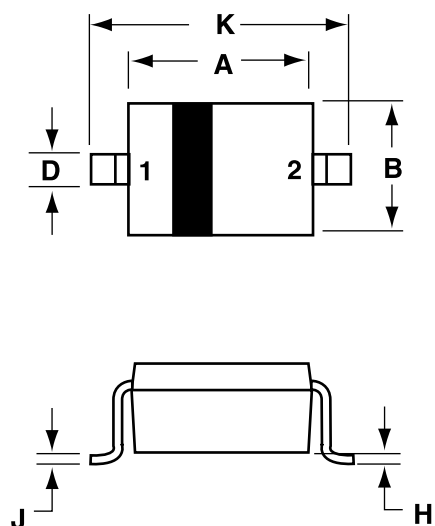
30m AMPERES
30 VOLTS



SOD-323

SOD-323 Outline Dimensions

Unit:mm



Dim	MILLMETERS	
	Min	Max
A	1.60	1.80
B	1.15	1.35
C	0.80	1.00
D	0.25	0.40
E	0.15REF	
H	0.00	0.10
J	0.089	0.177
K	2.30	2.70

PIN 1.CATHODE
2.ANODE

MAXIMUM RATING

Characteristics	Symbol	WSD 751H	Unit
Breakdown Voltage	BV	40	Volts
Continuous Reverse Voltage	V _R	30	Volts
Average Rectified Forward Current	I _O	30	mAmps
Peak Forward Surge Current (8.3ms1/2 Sine Wave)	I _{FSM}	200	mAmps
Storage Temperature	T _{stg}	-40 to+125	°C

ELECTRICAL CHARACTERISTICS (Ta=25°C)

Characteristics	Symbol	WSD 751H	Unit
Device Marking		JV,5E	
Maximum Instantaneous Forward Voltage I _F =1mA	V _F	0.37	Volts
Maximum Instantaneous Reverse Current (V _R =30V)	I _R	0.5	μAmps
Typical Junction Capacitance (V _R =10V, f=1MHz)	C _J	2.0	P _F

Electrical Characteristic Curves ($T_a=25^\circ\text{C}$ Unless Specified Otherwise)

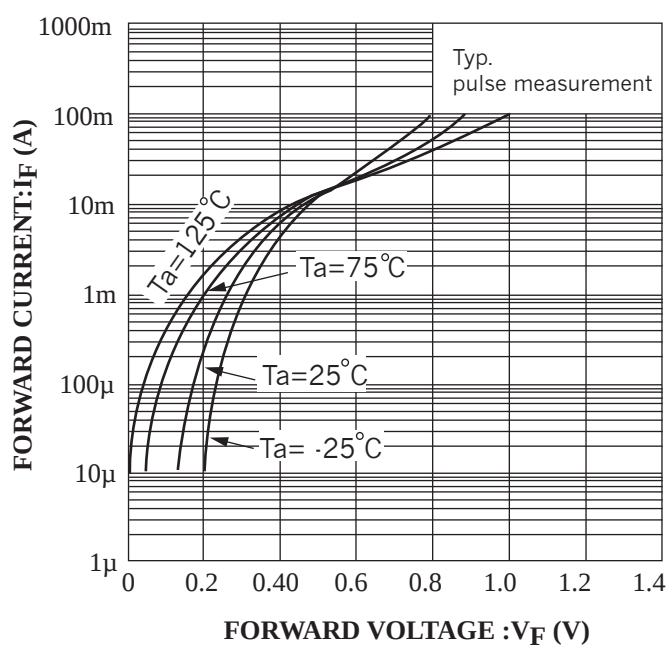


Fig 1. Forward Characteristics

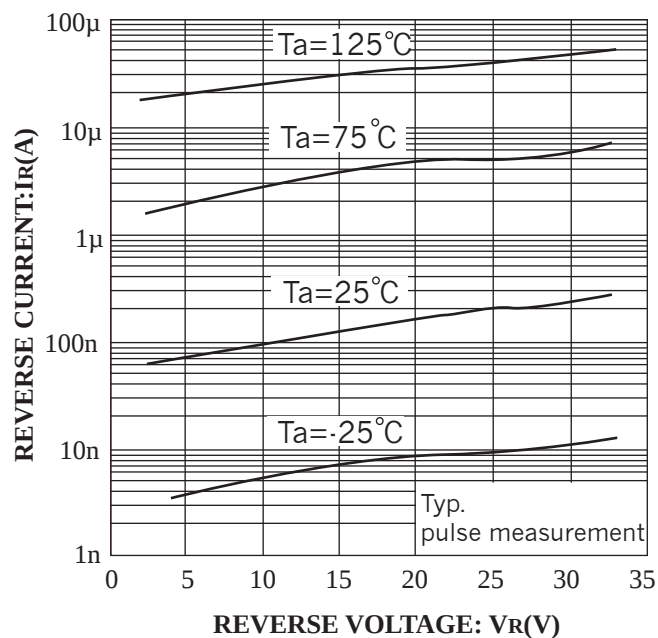


FIG 2. Reverse Characteristics

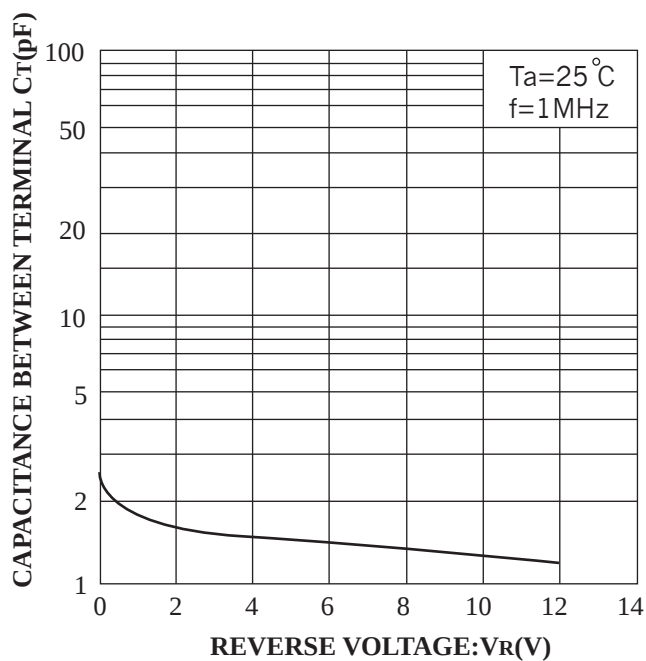


FIG. 3 Capacitance Between Terminal Characteristics