

### 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

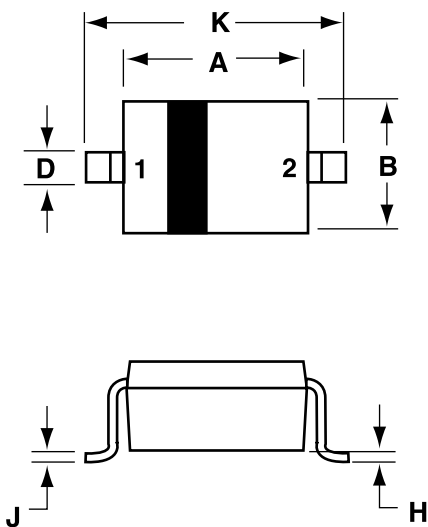
30m AMPERES  
30 VOLTS



**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 <sub>R</sub>	30	Volts
Average Rectified Forward Current	I <sub>O</sub>	30	mAmps
Peak Forward Surge Current (8.3ms1/2 Sine Wave)	I <sub>FSM</sub>	200	mAmps
Storage Temperature	T <sub>stg</sub>	-40 to+125	°C

**ELECTRICAL CHARACTERISTICS (T<sub>a</sub>=25°C)**

Characteristics	Symbol	WSD 751H	Unit
Device Marking		JV,5E	
Maximum Instantaneous Forward Voltage I <sub>F</sub> =1mA	V <sub>F</sub>	0.37	Volts
Maximum Instantaneous Reverse Current (V <sub>R</sub> =30V)	I <sub>R</sub>	0.5	μAmps
Typical Junction Capacitance (V <sub>R</sub> =10V, f=1MHz)	C <sub>J</sub>	2.0	P <sub>F</sub>

## Electrical Characteristic Curves (Ta=25°C Unless Specified Otherwise)

