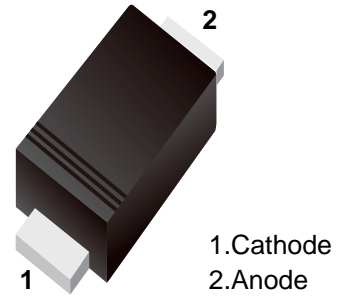


■ Schottky Barrier Diode

■ Features

- Low Forward Voltage Drop
- Flat Lead SOD-523 Small Outline Plastic Package
- Extremely Small SOD-523 Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish



■ Simplified outline(SOD-523)



■ Marking

Marking	C
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■ Absolute Maximum Ratings Ta = 25°C

Parameter	Symbol	Rating	Unit
Peak Reverse Voltage	V <sub>RM</sub>	30	V
Average Rectified Output Current	I <sub>F(AV)</sub>	200	mA
Peak Forward Surge Current (At 8.3ms single half sine-wave)	I <sub>FSM</sub>	1	A
Power Dissipation	P <sub>D</sub>	200	mW
Junction Temperature	T <sub>J</sub>	125	°C
Storage Temperature Range	T <sub>stg</sub>	-55 to +125	

■ Electrical Characteristics Ta = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	BV	I <sub>R</sub> = 500uA	30			V
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =200mA			0.5	
Reverse voltage leakage current	I <sub>R</sub>	V <sub>R</sub> =10 V			30	uA

