

## SEMICONDUCTOR

# **200mW SOD-523 SURFACE MOUNT** Very Small Outline Flat Lead Plastic Package Schottky Barrier Diode

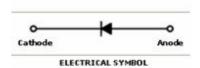
### Absolute Maximum Ratings T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	arameter Value			
PD	Power Dissipation	200	mW		
T <sub>STG</sub>	Storage Temperature Range	-55 to +125	°C		
TJ	Operating Junction Temperature	+125 °C			
V <sub>R</sub>	Reverse Voltage	30	V		
I <sub>F(AV)</sub>	Average Forward Current	200	mA		

These ratings are limiting values above which the serviceability of the diode may be impaired.

# **Green Product**





#### **Specification 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
- Band Indicates Cathode

#### **Electrical Characteristics** T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	Unit
Bv	Breakdown Voltage	I <sub>R</sub> =500μΑ	30		Volts
I <sub>R</sub>	Reverse Leakage Current	V <sub>R</sub> =10V		30	μA
VF	Forward Voltage	I <sub>F</sub> =200mA		0.5	Volts

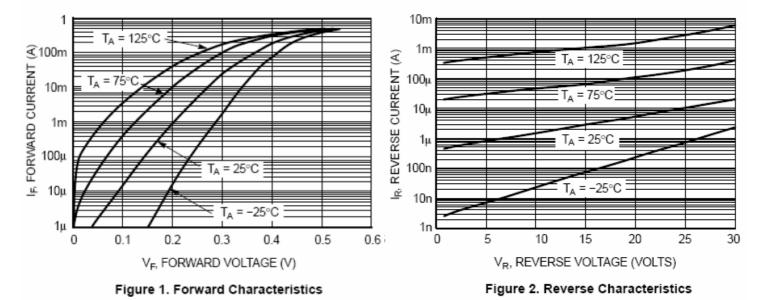
#### DEVICE MARKING CODES:

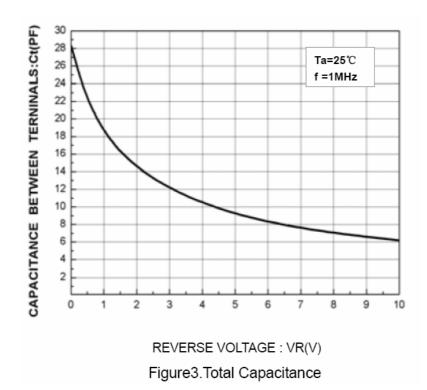
Device Type	Device Marking
TCRB521S-30	2B



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#### Flat Lead SOD-523 Package Outline

