



SOD-523 SCHOTTKY BARRIER DIODE

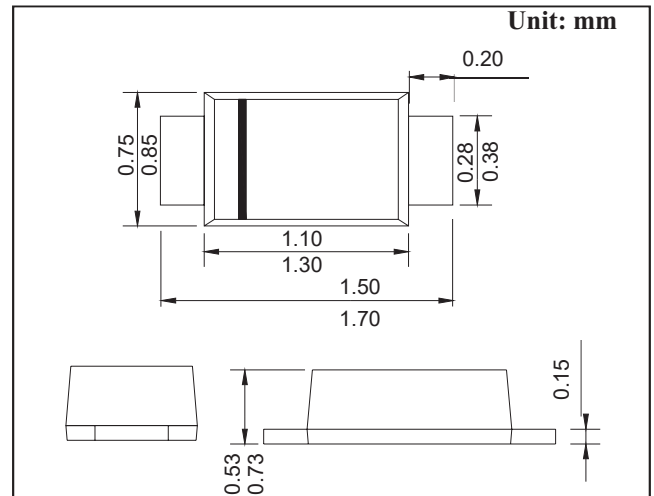
VOLTAGE RANGE: 30V PEAK PULSE POWER:150mW

FEATURES

- Low Forward Voltage Drop
- Guard Ring Construction for Transient
- Protection Negligible Reverse Recovery Time
- Very Low Reverse Capacitance

MECHANICAL DATA

- Case: SOD-523 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	200	mA
Non-repetitive Peak Forward Surge Current@t=8.3ms	I_{FSM}	1	A
Power dissipation	P_D	150	mW
Thermal resistance junction to ambient	$R_{\theta JA}$	667	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical Specification (T_A=25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.6	V	$I_F=200mA$
Reverse current	I_R			1	μA	$V_R=10V$

MARKING: B

RATINGS AND CHARACTERISTIC CURVES

