

SOD-323 SCHOTTKY BARRIER DIODE

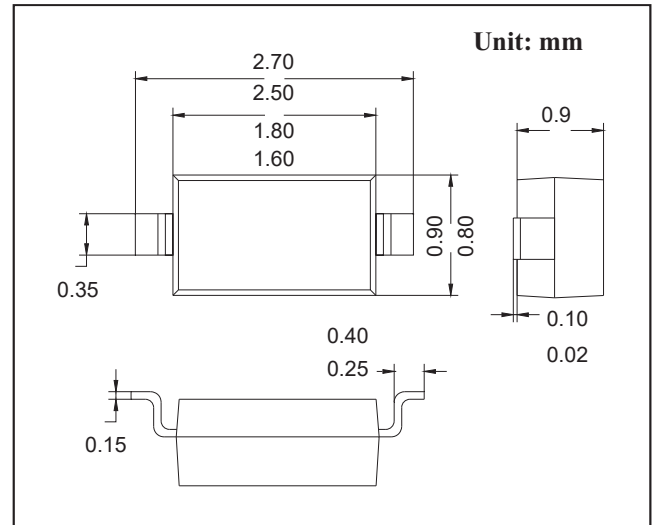
VOLTAGE RANGE: 40V
PEAK PULSE POWER:200mW

FEATURES

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

MECHANICAL DATA

- Case: SOD-323 Small Outline Plastic Package
- Polarity: Color band denotes cathode end
- Mounting Position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

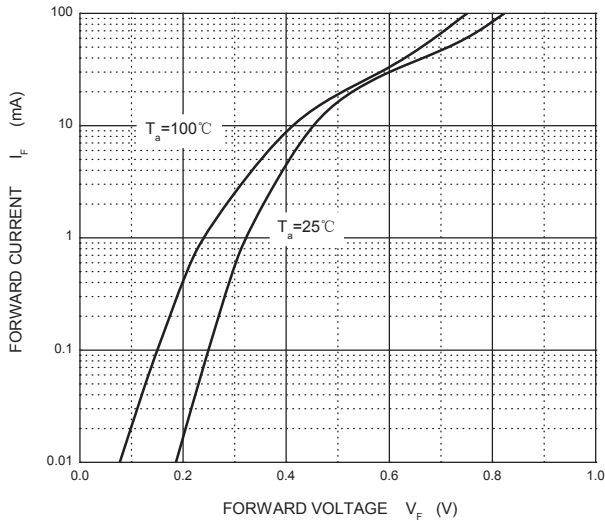
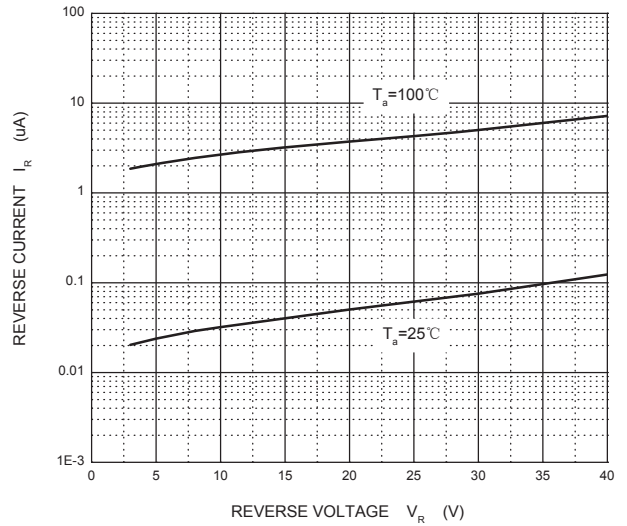
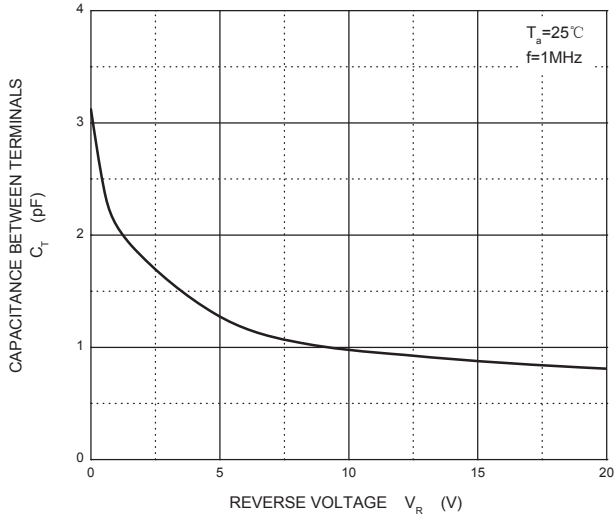
@ 25°C Ambient Temperature (unless otherwise noted)

Parameter	Symbol	Limit	Unit
Peak reverse voltage	V_{RM}	40	V
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	0.03	A
Non-repetitive Peak Forward Surge Current@ $t=8.3ms$	I_{FSM}	0.2	A
Power dissipation	PD	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	T_j	125	°C
Storage temperature	T_{stg}	-55~+150	°C

Electrical Specification ($T_A=25^\circ C$ unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F		0.37		V	$I_F=1mA$
Reverse current	I_R		0.5		μA	$V_R=30V$
Capacitance between terminals	C_T		2		pF	$V_R=1V, f=1MHz$

MAKING: 5

RATINGS AND CHARACTERISTIC CURVES
Forward Characteristics

Reverse Characteristics

Capacitance Characteristics

Power Derating Curve
