SOD-323 SCHOTTKY BARRIER DIODE

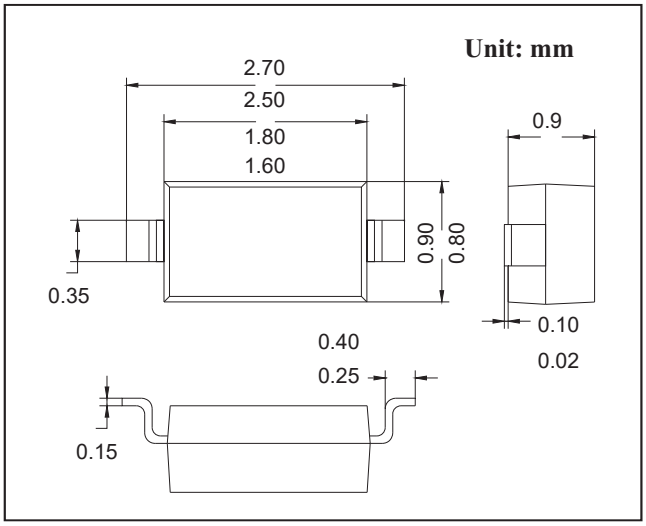
VOLTAGE RANGE: 30V **PEAK PULSE POWER:200mW**

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 S	ymbol	Limit	Unit
Peak reverse voltage	V_{RM}	30	V
DC reverse voltage	V_R	30	V
Mean rectifying current	I_O	0.5	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	I_{FSM}	2	A
Power dissipation	Pd	200	mW
Thermal Resistance Junction to Ambient	RθJA	500	℃/W
Junction temperature	T_j	125	℃
Storage temperature	T_{stg}	-55~+150	℃

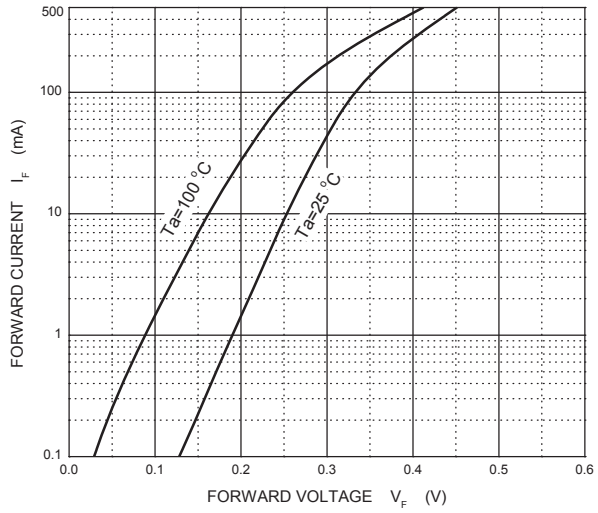
Electrical Specification (TA=25°C unless otherwise specified)

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_F			0.36 0.47	V	I_F=100mA I_F=500mA
Reverse current	I_R		100		μA	V_R=20V

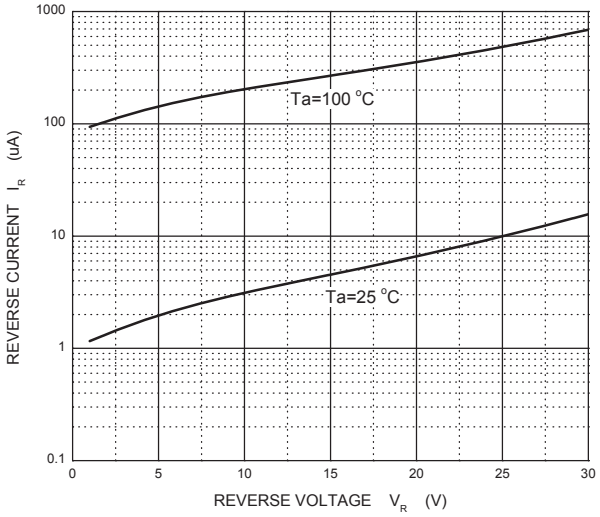
MAKING: D

RATINGS AND CHARACTERISTIC CURVES

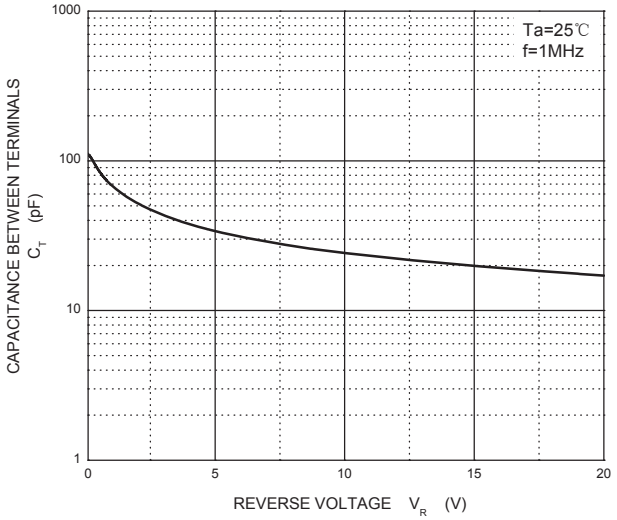
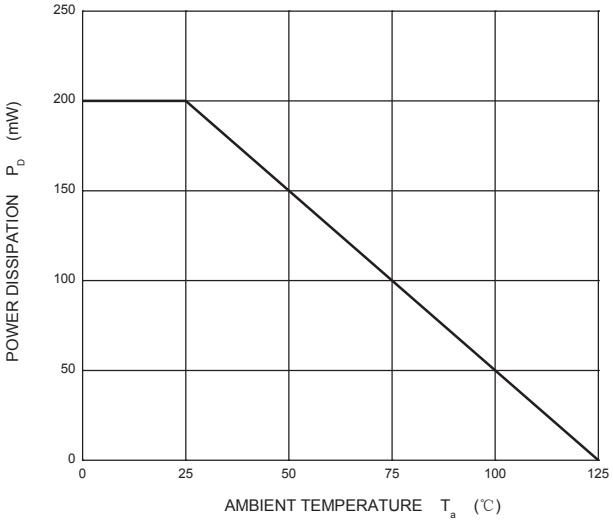
Forward Characteristics



Reverse Characteristics



Capacitance Characteristics



Power Derating Curve