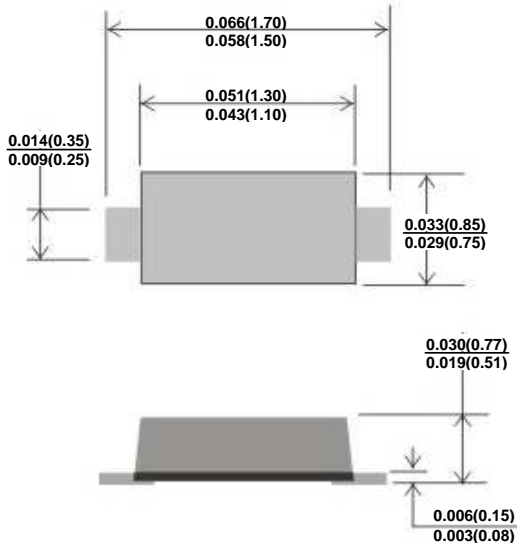




1SS388

SURFACE MOUNT SCHOTTKY BARRIER

SOD-523



Dimensions in inches and (millimeters)

FEATURES

- ◆ Low forward voltage : $V_{F(3)}=0.54V$ (Typ.)
- ◆ Low reverse current : $I_R=5\mu A$ (max.)
- ◆ Lead free in comply with EU RoHS 2002/95/EC directives.
- ◆ Green molding compound as per IEC61249 Std..(Halogen Free)

MECHANICAL DATA

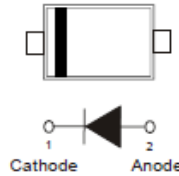
Case: JEDEC SOD-523, Molded plastic

Terminals: Solderable per MIL-STD-750 Method 2026

Approx. Weight: 0.0001 ounces, 0.0041 grams

Polarity: Color band denotes cathode end

Marking 38



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

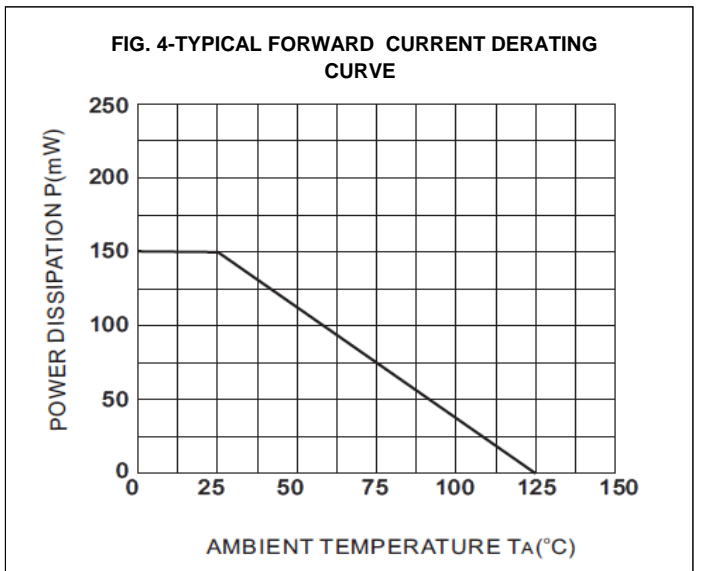
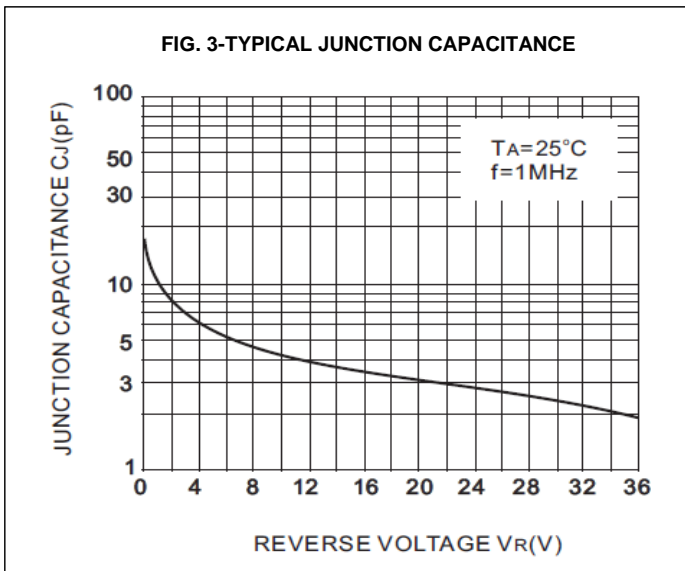
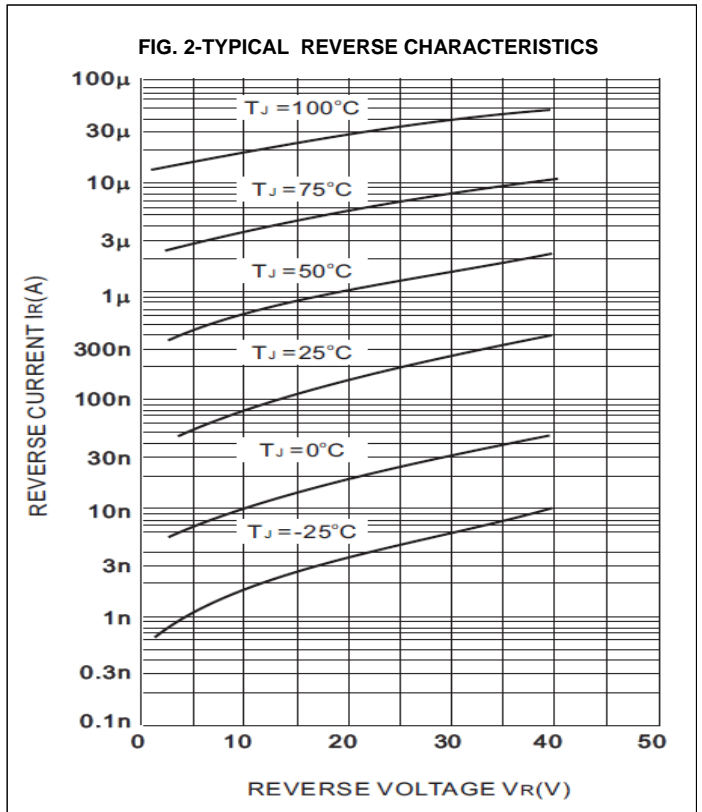
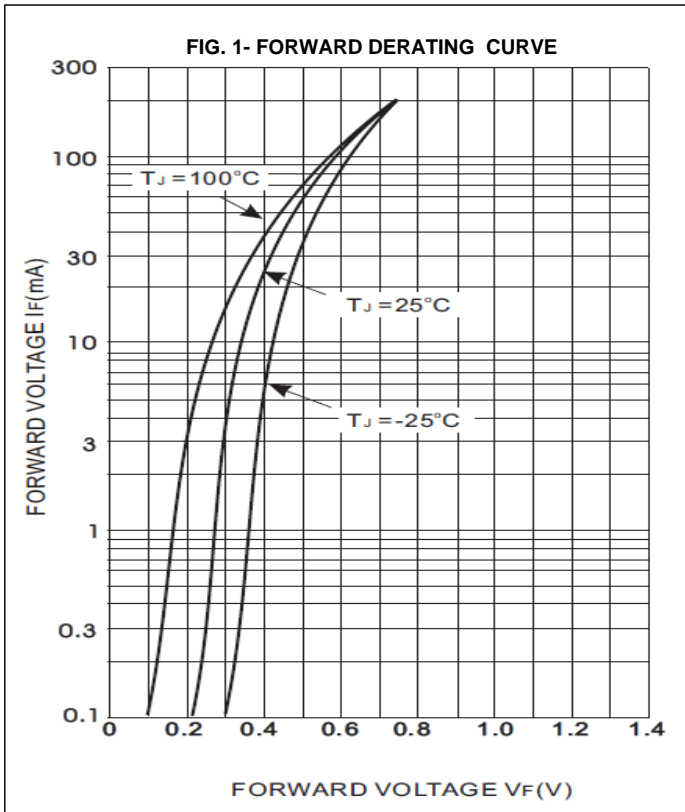
Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

PARAMETER	SYMBOLS	BAT54WS	UNITS
Maximum (peak) Reverse Voltage	V_{RM}	45	Volts
Reverse Voltage	V_R	40	Volts
Maximum (peak) Forward Current	I_{FM}	0.3	Amp
Average Forward Current	I_O	0.1	Amp
Forward Surge Current , 10ms	I_{FSM}	1.0	Amps
Power Dissipation	P^*	150	mW
Forward Voltage	V_F	0.28 0.36 0.54 0.60	Volts
Maximum Reverse Current at $V_R=10V$	I_R	5.0	μA
Junction Capacitance at $V_R=0$, $f=1MHz$	C_J	25	pF
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +125	°C



1SS388

RATINGS AND CHARACTERISTIC CURVES



SOD-523 PACKAGE MOUNTING PAD LAYOUT

UNIT: inch(mm)

