

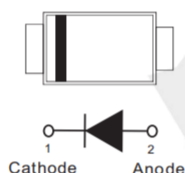
Features

- Extremely High Switching Speed
- Surface mount package ideally suited for automatic insertion

Mechanical Characteristics

- Case: SOD-523, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx Weight: 0.00005 ounces, 0.0014 grams

Dimensions and Pin Configuration



Marking:ZB

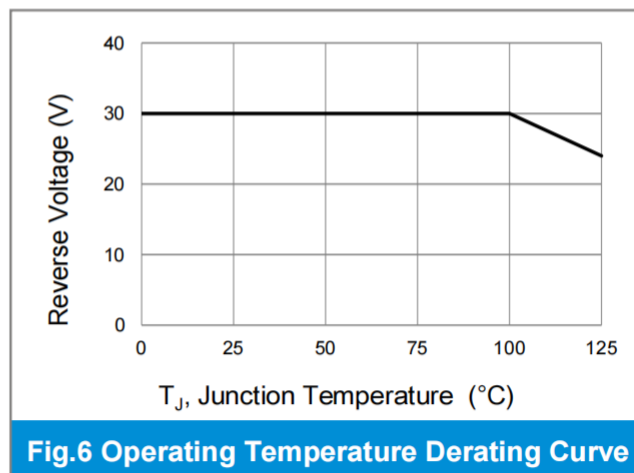
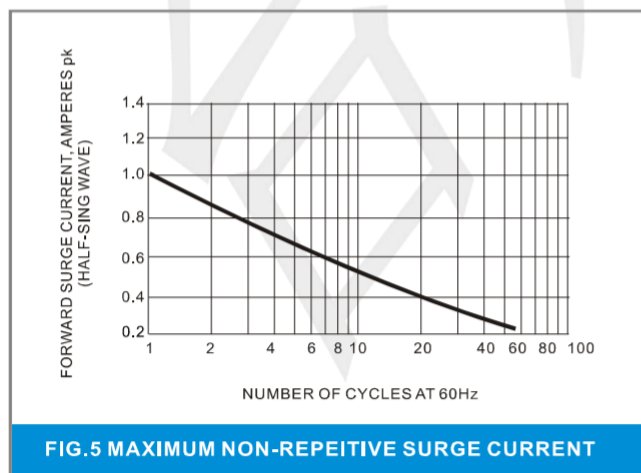
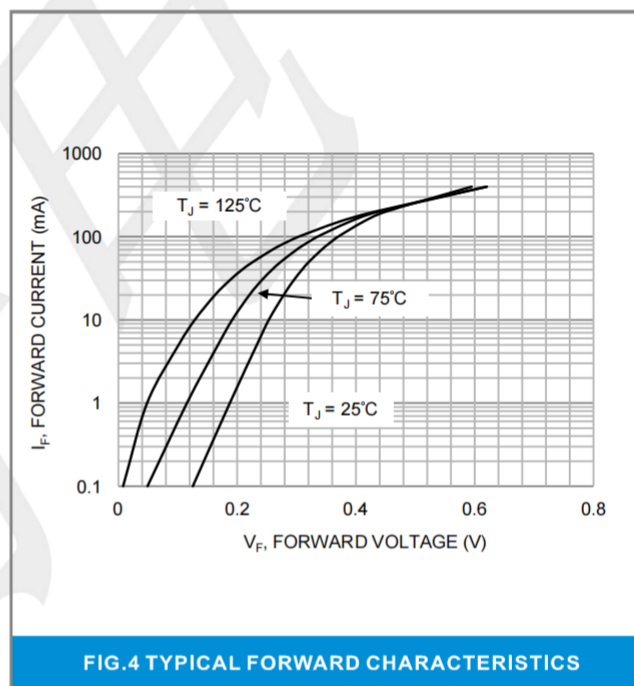
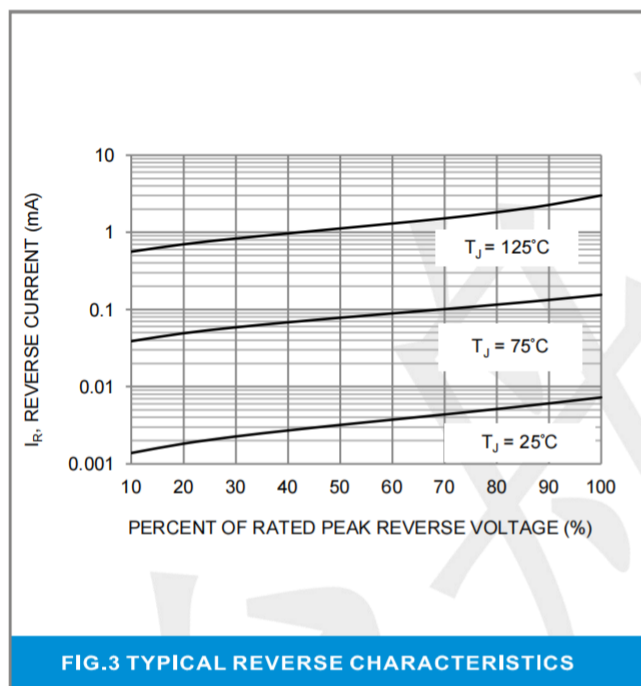
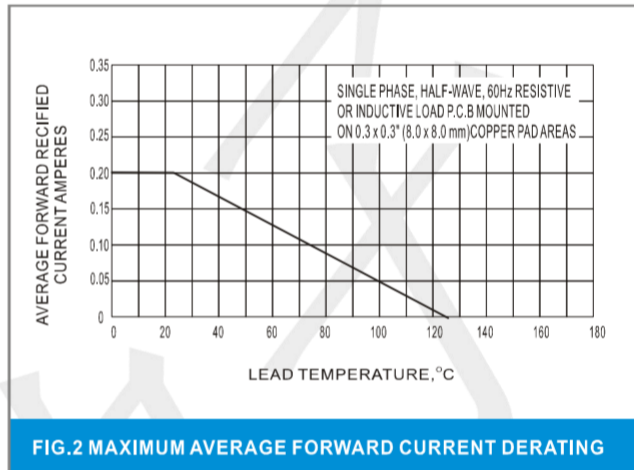
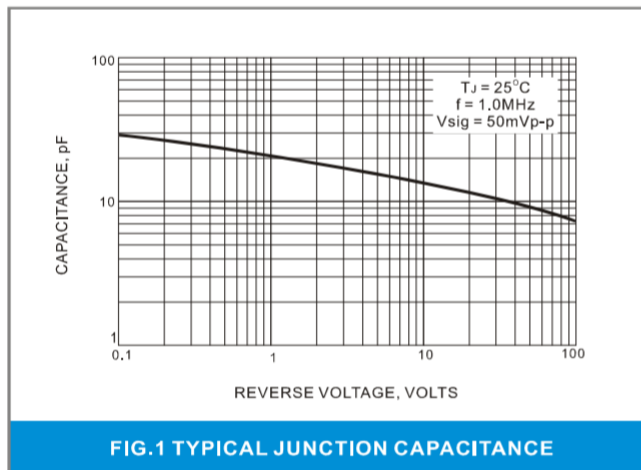
Absolute Maximum Ratings($T_{amb}=25^{\circ}\text{C}$ unless otherwise specified)

PARAMETER	Symbol	Value	Units
Peak Reverse Voltage	V_{RM}	30	V
Mean Rectifying Current	$I_{F(AV)}$	0.2	A
Peak Forward Surge Current@ $T_p=1s$	I_{FSM}	1	A
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to + 125	$^{\circ}\text{C}$

Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

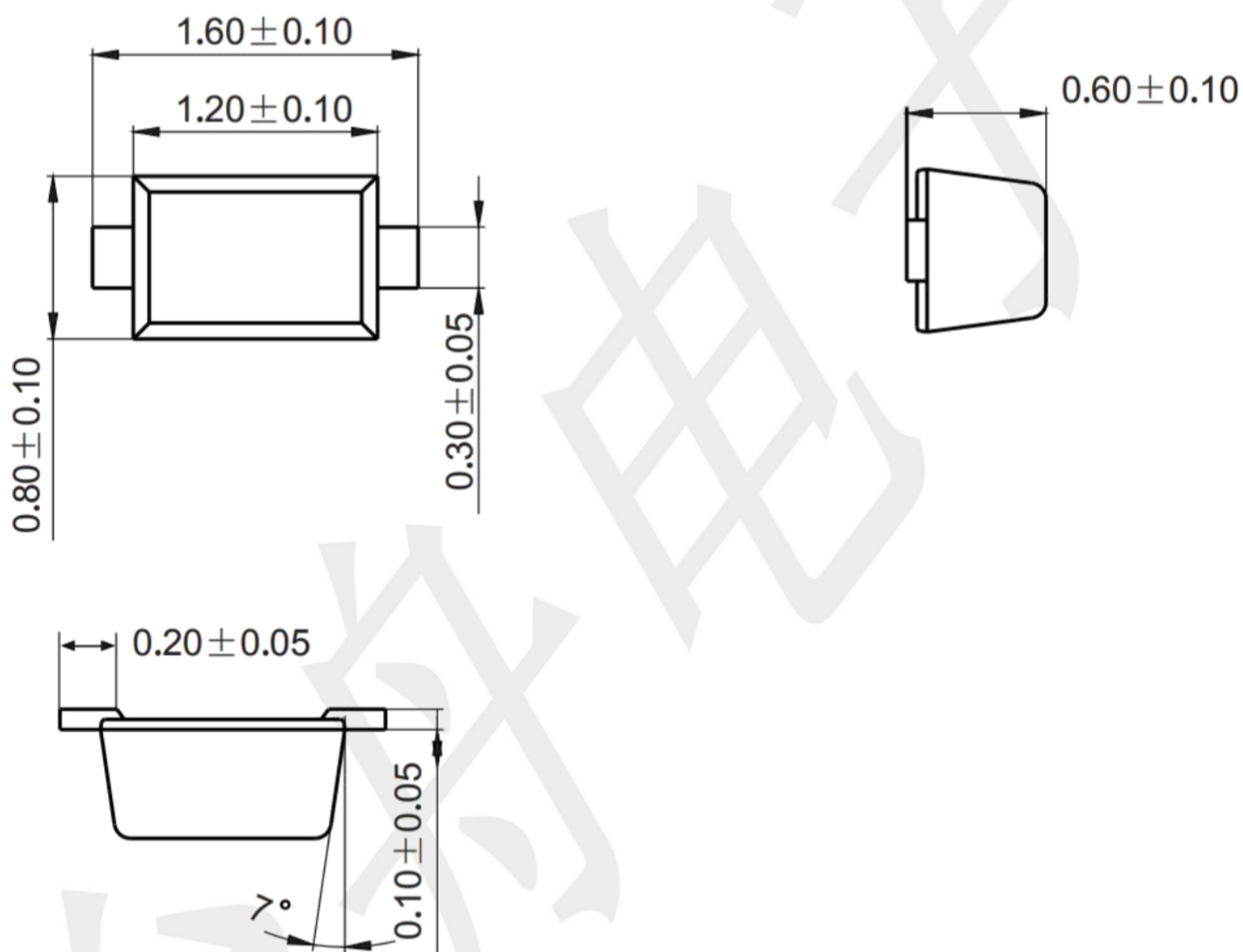
PARAMETER	Symbol	MIN.	TYP.	MAX.	Units	Conditions
Forward Voltage	V_{F1}	-	-	0.50	V	$I_F=200\text{mA}$
Forward Voltage	V_{F2}	-	-	0.35	V	$I_F=10\text{mA}$
Reverse Current	I_{R1}	-	-	10	μA	$V_R=10\text{V}$
Reverse Current	I_{R2}	-	-	100	μA	$V_R=30\text{V}$

Characteristic Curves



Package Outline Dimensions (unit: mm)

SOD523 (0603)



Mounting Pad Layout (unit: mm)

