

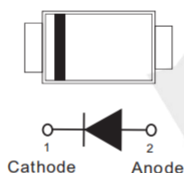
Features

- 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



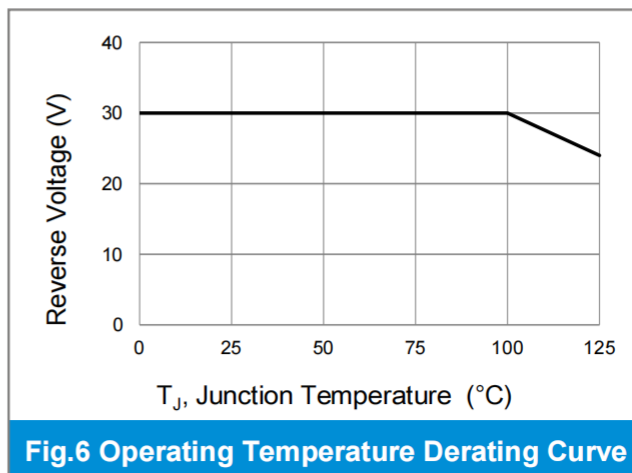
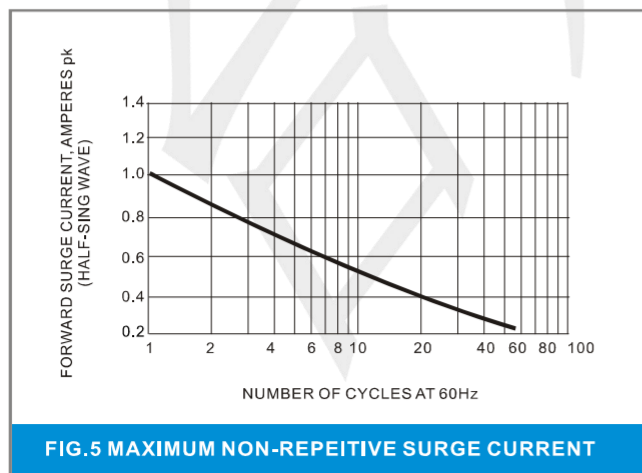
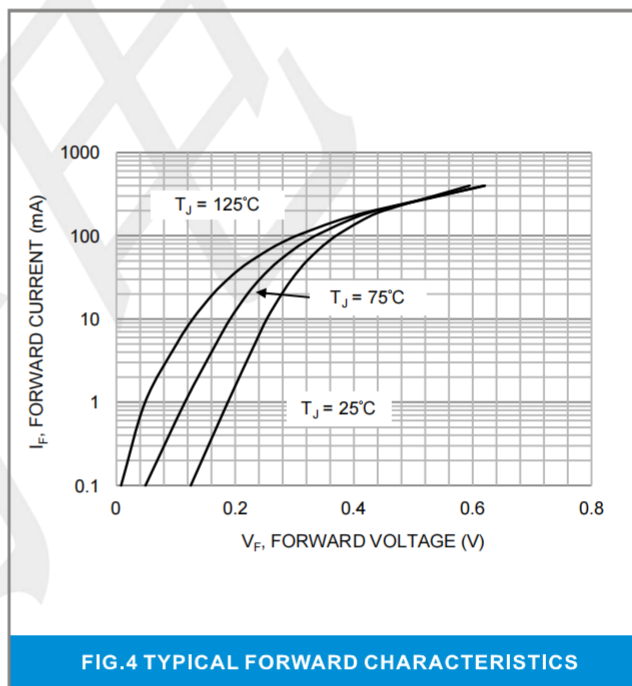
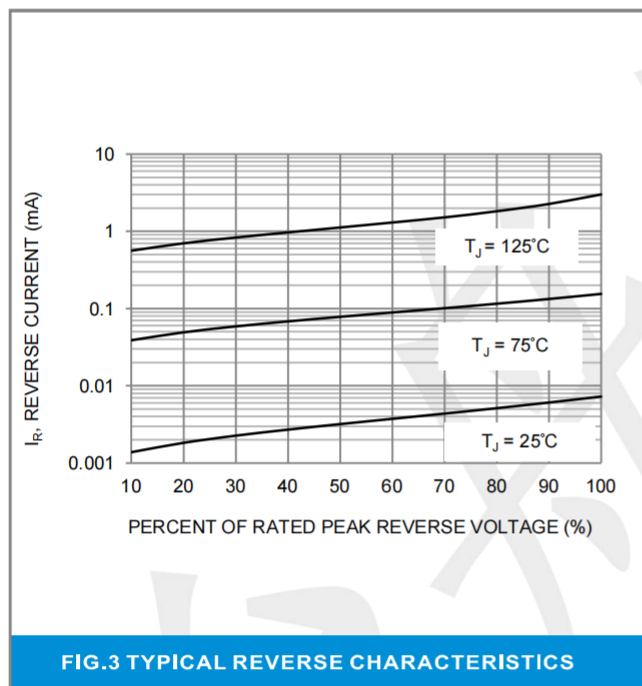
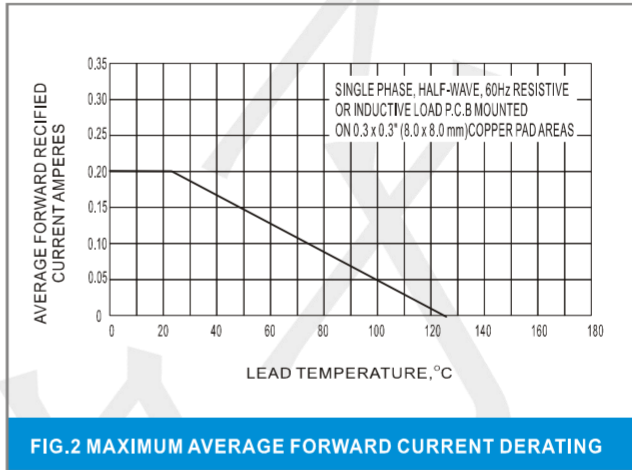
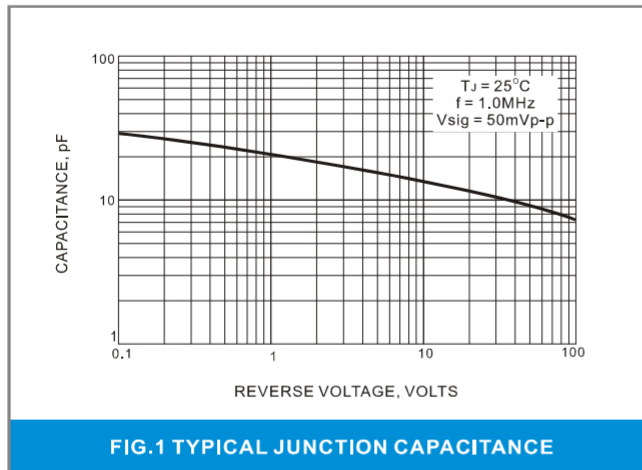
Absolute Maximum Ratings (T_{amb}=25°C unless otherwise specified)

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

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

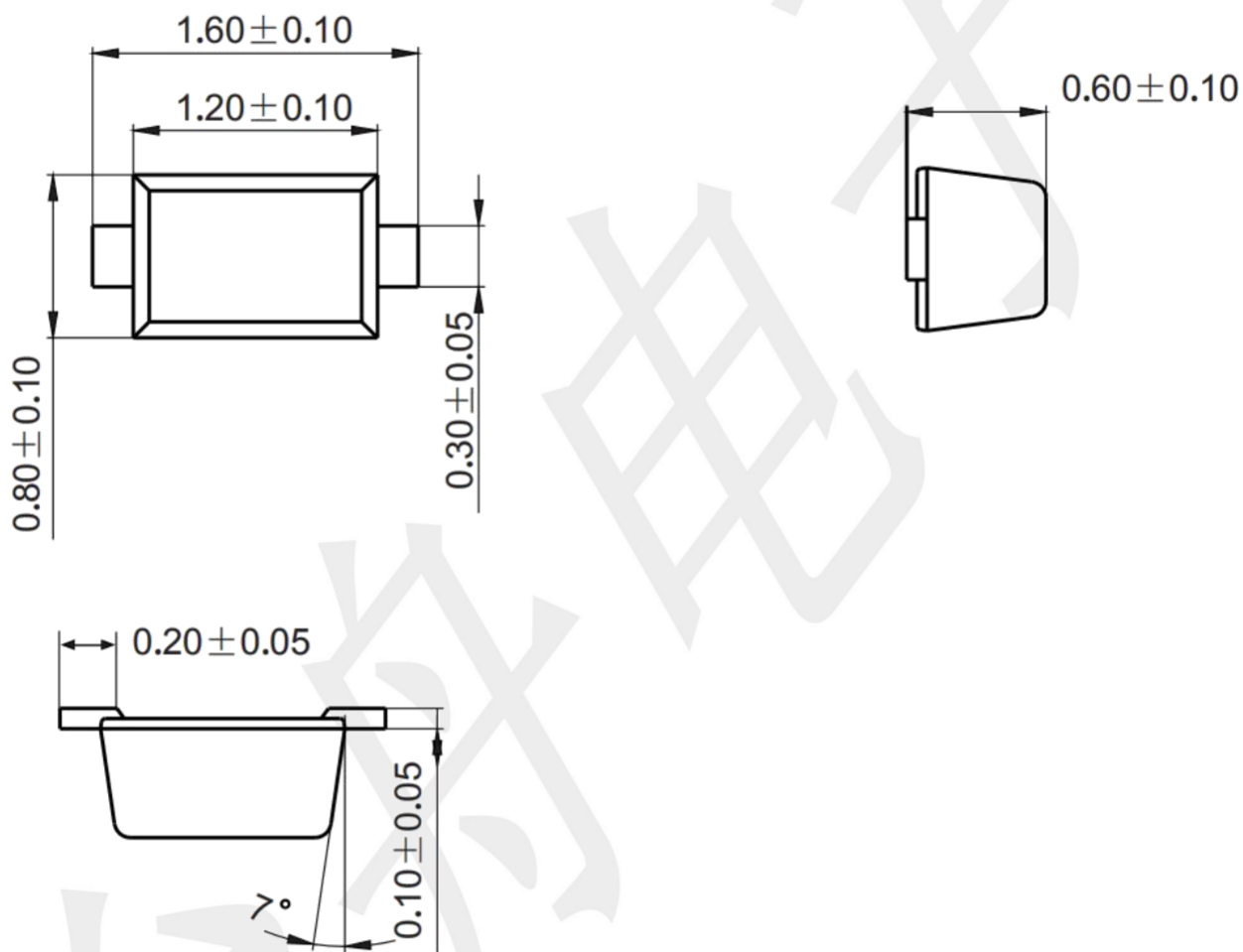
PARAMETER	Symbol	MIN.	TYP.	MAX.	Units	Conditions
Forward Voltage	V_{F1}	-	-	0.50	V	$I_F=200mA$
Forward Voltage	V_{F2}	-	-	0.35	V	$I_F=10mA$
Reverse Current	I_{R1}	-	-	10	μA	$V_R=10V$
Reverse Current	I_{R2}	-	-	100	μA	$V_R=30V$

Characteristic Curves



Package Outline Dimensions (unit: mm)

SOD523 (0603)



Mounting Pad Layout (unit: mm)

