

1SS388

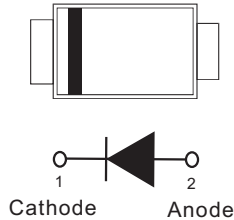
SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

FEATURES

- Low forward voltage : $V_F(3)=0.54V(\text{typ.})$
- Low reverse current : $I_R=5\mu A(\text{typ.})$
- In compliance with EU RoHS 2002/95/EC directives

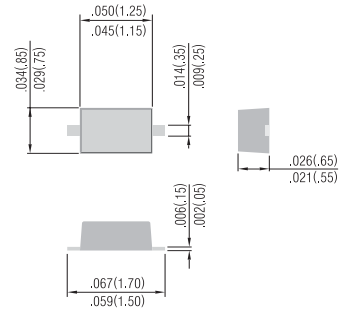
APPLICATIONS

- Case: SOD-523 plastic
- Terminals : Solderable per MIL-STD-750,Method 2026
- Approx Weight: 0.0014 grams
- Marking : 38
- Polarity : Color band cathode



SOD-523

Unit: inch (mm)



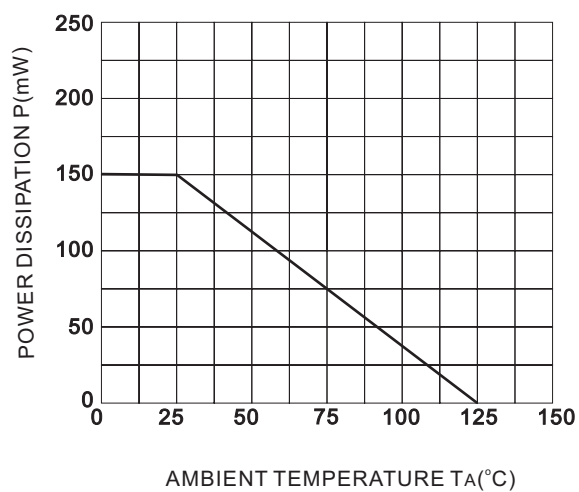
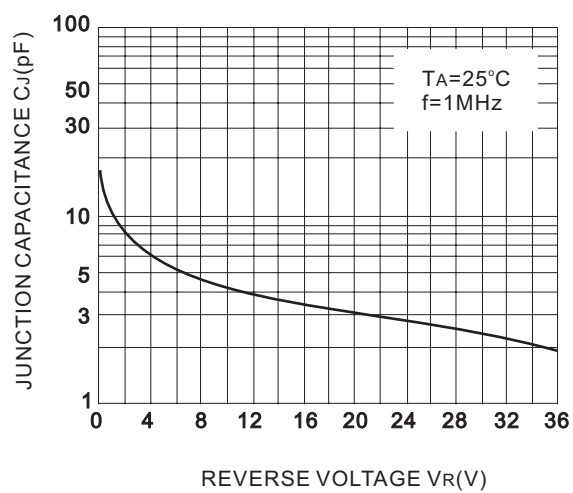
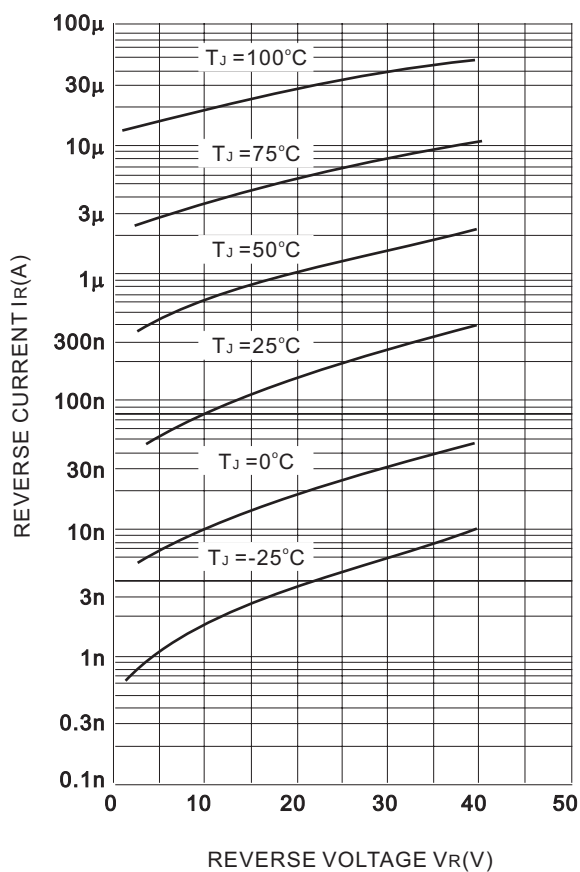
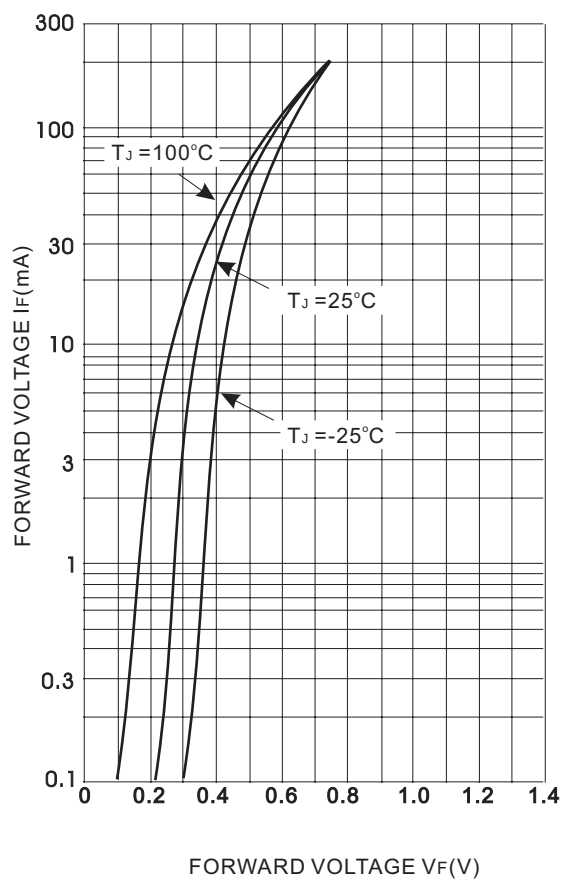
MAXIMUM RATINGS ($T_A=25^{\circ}C$)

Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	V_{RM}	45	V
Reverse voltage	V_R	40	V
Maximum (peak) forward current	I_{FM}	300	mA
Average forward current	I_o	100	mA
Surge current (10ms)	I_{FSM}	1	A
Power dissipation	P^*	150	mW
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to +125	$^{\circ}C$

ELECTRICAL CHARACTERISTICS ($T_A=25^{\circ}C$)

Characteristic	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Forward Voltage	$V_F(1)$	$I_F=1mA$	-	0.28	-	V
	$V_F(2)$	$I_F=10mA$	-	0.36	-	
	$V_F(3)$	$I_F=50mA$	-	0.54	0.60	
Reverse Current	I_R	$V_R=10V$	-	-	5	μA
Junction Capacitance	C_J	$V_R=0, f=1MHz$	-	18	25	pF

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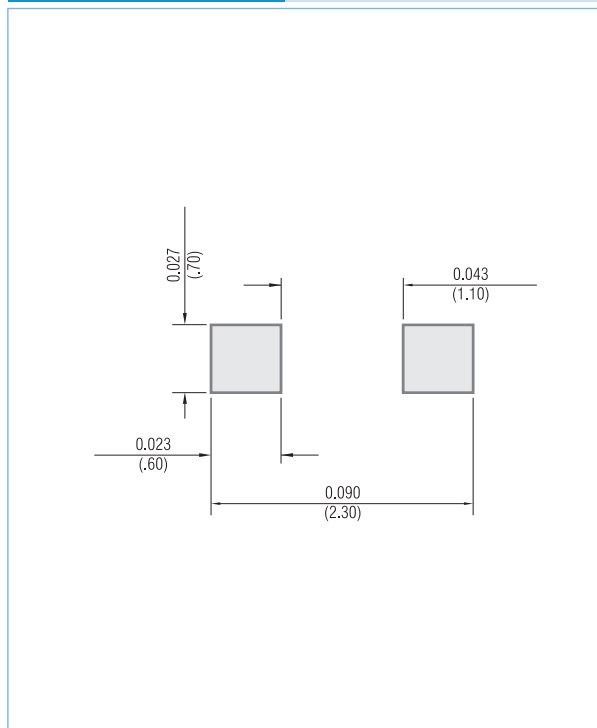


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MOUNTING PAD LAYOUT

SOD-523

Unit: inch (mm)



ORDER INFORMATION

- Packing information
 - T/R - 12K per 13" plastic Reel
 - T/R - 5K per 7" plastic Reel

LEGAL STATEMENT

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