



# 1SS388

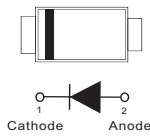
## SILICON EPITAXIAL SCHOTTKY BARRIER TYPE

### FEATURES

- Low forward voltage :  $V_F(3)=0.54V(\text{typ.})$
- Low reverse current :  $I_R=5\mu A(\text{typ.})$
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

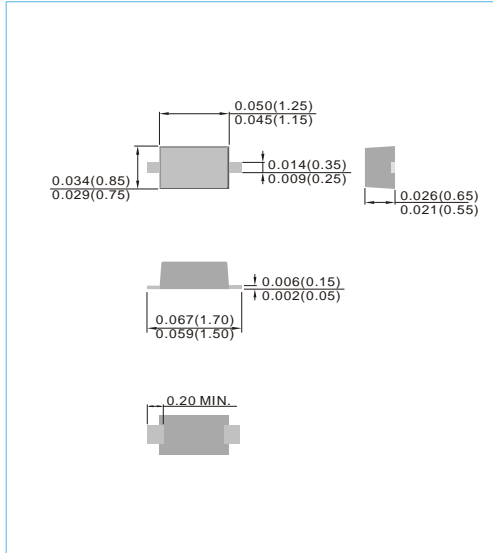
### APPLICATIONS

- Case : SOD-523 plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx Weight : 0.00005 ounces, 0.0014 grams
- Marking : 38



### SOD-523

Unit : inch(mm)



### MAXIMUM RATINGS (T<sub>A</sub>=25°C)

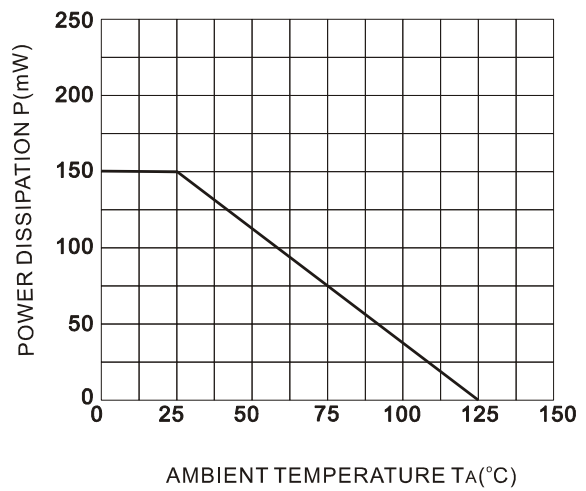
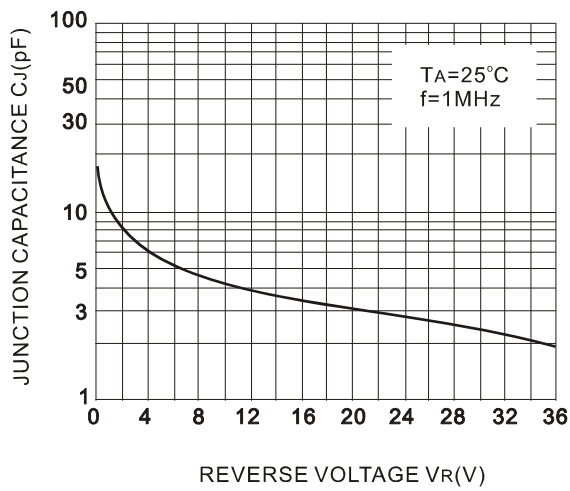
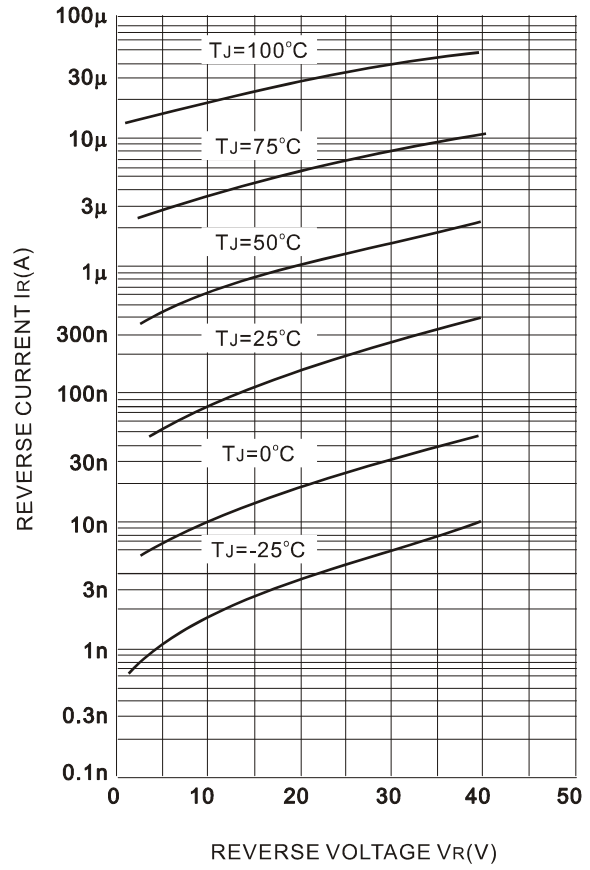
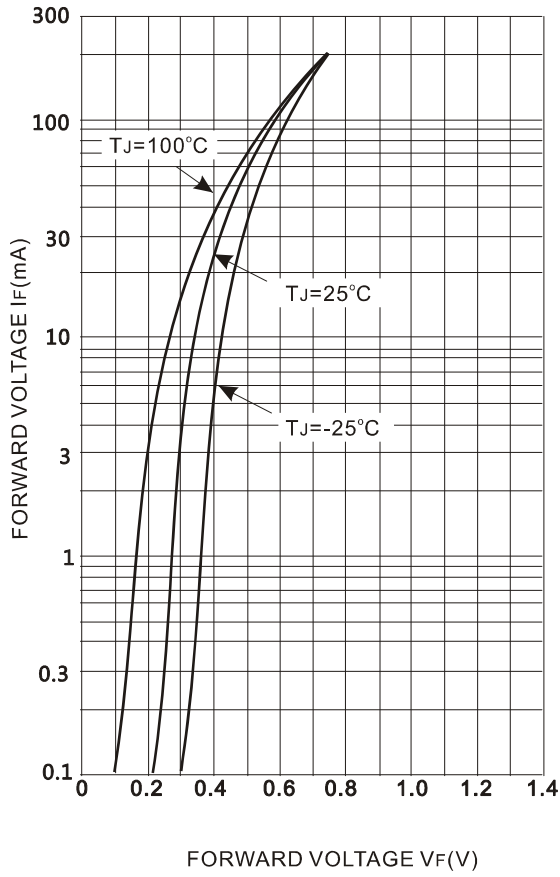
Characteristic	Symbol	Rating	Unit
Maximum (peak) reverse voltage	$V_{RM}$	45	V
Reverse voltage	$V_R$	40	V
Maximum (peak) forward current	$I_{FM}$	300	mA
Average forward current	$I_O$	100	mA
Surge current (10ms)	$I_{FSM}$	1	A
Power dissipation	$P^*$	150	mW
Operating Junction and Storage Temperature Range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

### ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°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



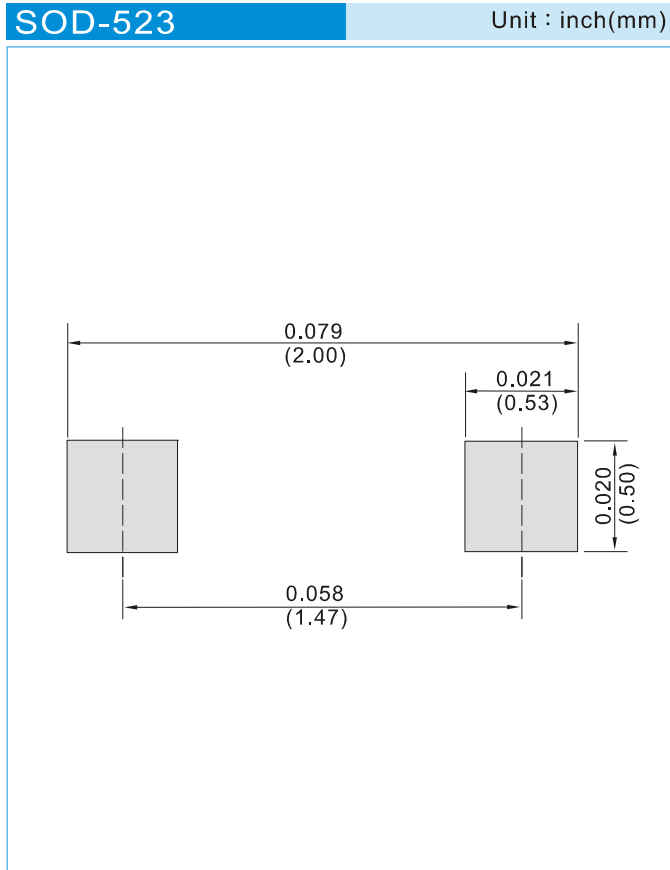
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## MOUNTING PAD LAYOUT



## ORDER INFORMATION

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



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## Part No\_packing code\_Version

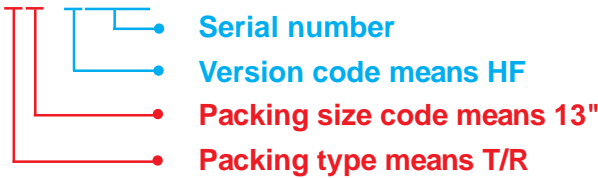
1SS388\_R1\_00001

1SS388\_R2\_00001

For example :

**RB500V-40\_R2\_00001**

Part No.



Packing Code <b>XX</b>				Version Code <b>XXXXX</b>		
Packing type	1 <sup>st</sup> Code	Packing size code	2 <sup>nd</sup> Code	HF or RoHS	1 <sup>st</sup> Code	2 <sup>nd</sup> ~5 <sup>th</sup> Code
Tape and Ammunition Box (T/B)	A	N/A	0	HF	0	serial number
Tape and Reel (T/R)	R	7"	1	RoHS	1	serial number
Bulk Packing (B/P)	B	13"	2			
Tube Packing (T/P)	T	26mm	X			
Tape and Reel (Right Oriented) (TRR)	S	52mm	Y			
Tape and Reel (Left Oriented) (TRL)	L	PANASERT T/B CATHODE UP (PBCU)	U			
FORMING	F	PANASERT T/B CATHODE DOWN (PBCD)	D			



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