



1SS417TM

HIGH SPEED SWITCHING APPLICATION

FEATURES

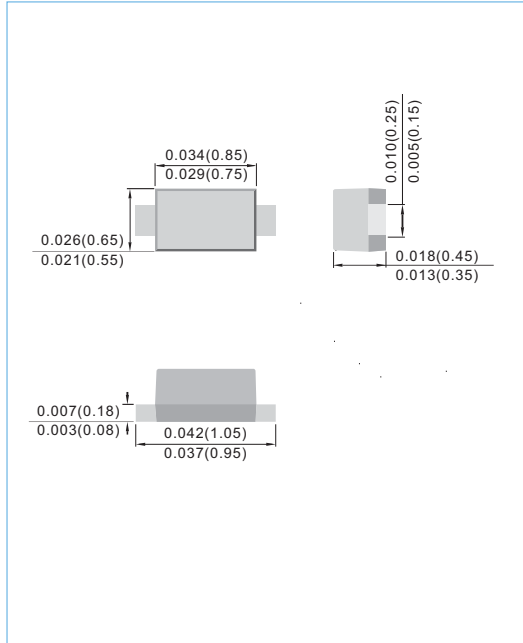
- Small package
- Low forward voltage : $V_F(3)=0.56V(\text{typ.})$
- Low reverse current : $I_R=5\mu A (\text{Max.})$
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case : SOD-923, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx. Weight : 0.00002 ounces, 0.0005 grams
- Marking : 4

SOD-923

Unit : inch(mm)



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

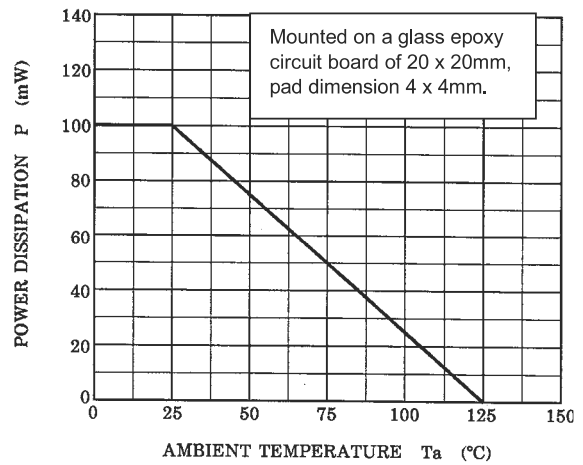
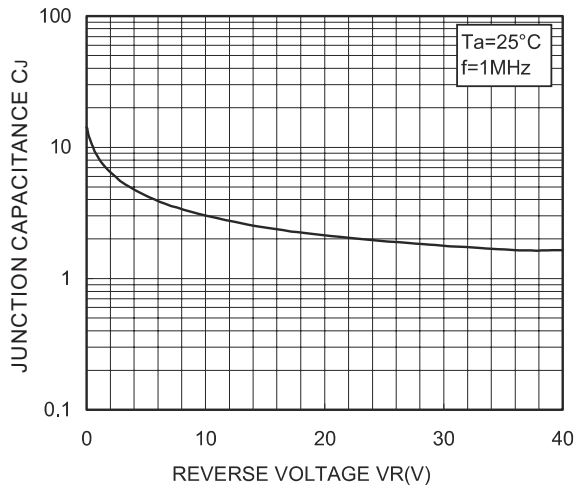
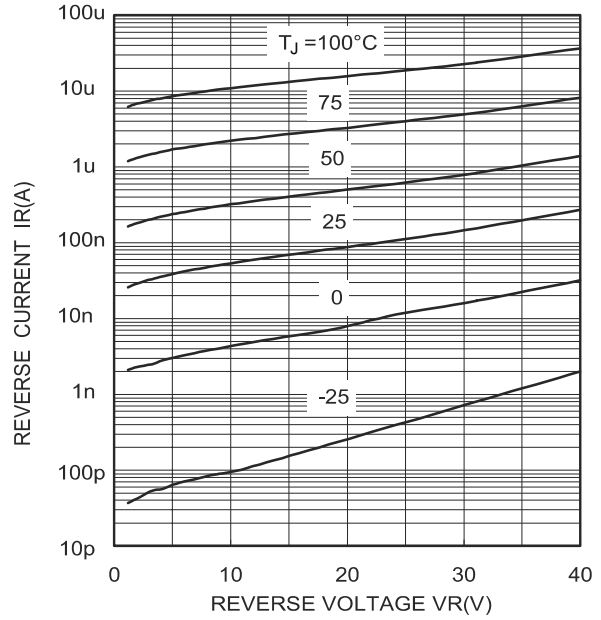
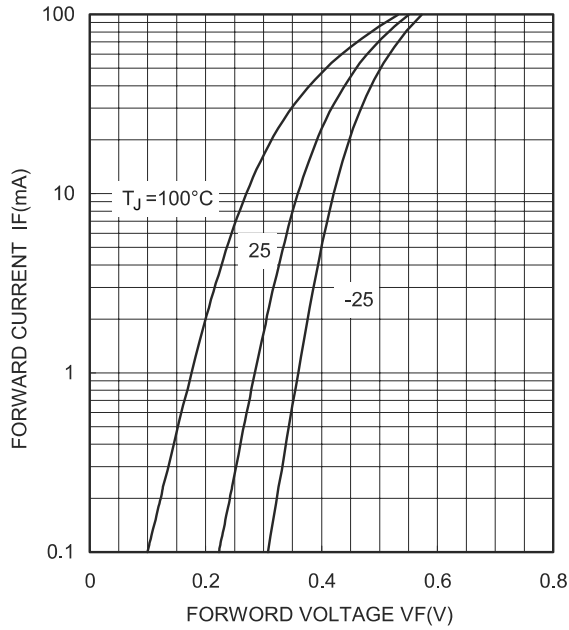
CHARACTERISTIC	SYMBOL	RATING	UNIT
Maximum (Peak) Reverse Voltage	V_{RM}	45	V
Reverse Voltage	V_R	40	V
Maximum (Peak) Forward Current	I_{FSM}	200	mA
Average Forward Current	I_O	100	mA
Surge Current (10ms)	I_{FSM}	1	A
Power dissipation	P	100	mW
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-55 to + 125	$^\circ C$

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

CHARACTERISTIC	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNIT
Forward Voltage	V_{F1}	$I_F = 1mA$	-	0.28	-	V
	V_{F2}	$I_F = 10mA$	-	0.36	-	
	V_{F3}	$I_F = 50mA$	-	0.56	0.62	
Reverse Current	I_R	$V_R = 40V$	-	-	5	μA
Junction Capacitance	C_J	$V_R = 0, f=1MHz$	-	15	-	pF



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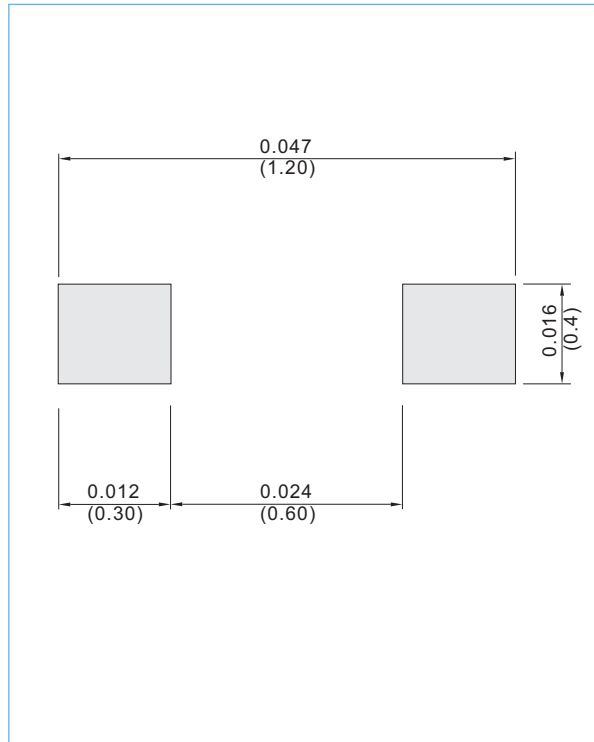


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MOUNTING PAD LAYOUT

SOD-923

Unit : inch(mm)



ORDER INFORMATION

- Packing information

T/R - 8K per 7" plastic Reel



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Part No_packing code_Version

1SS417TM_R1_00001

For example :

RB500V-40_R2_00001



Packing Code XX				Version Code XXXXX		
Packing type	1 st Code	Packing size code	2 nd Code	HF or RoHS	1 st Code	2 nd ~5 th 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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