RB521S30

SURFACE MOUNT SCHOTTKY DIODES

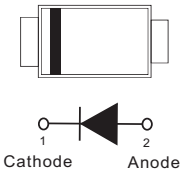
VOLTAGE	30 Volt	CURRENT	200 mA

FEATURES

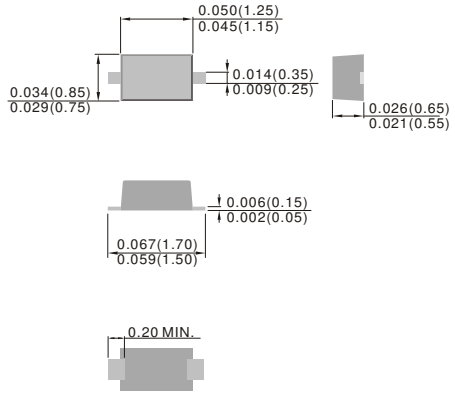
- Extremely High Switching Speed
- Surface mount package ideally suited for autmatic insertion
- Lead free in compliance with EU RoHS 2011/65/EU directive
- Green molding compound as per IEC61249 Std. . (Halogen Free)

MECHANICAL DATA

- Case: SOD-523, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Appox Weight: 0.00005 ounces, 0.0014 grams
- Marking: 21



SOD-523 Unit : inch(mm)



ABSOLUTE RATINGS

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_J = 25°C unless otherwise noted)

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	A	V_R=10V
Reverse Current	I_{R2}	-	-	100	A	V_R=30V

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RATING AND CHARACTERISTIC CURVES

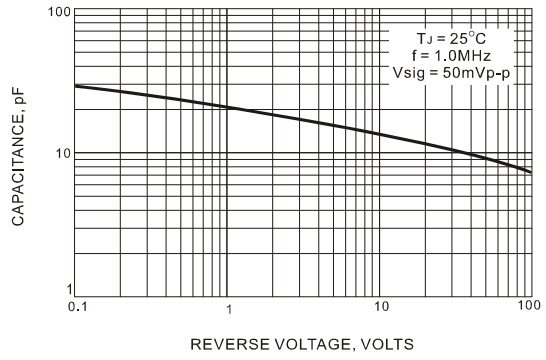

FIG.1 TYPICAL JUNCTION CAPACITANCE

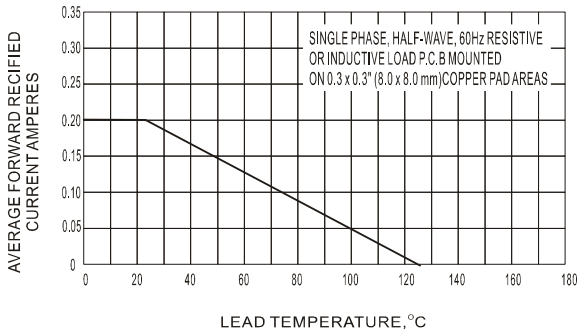

FIG.2 MAXIMUM AVERAGE FORWARD CURRENT DERATING

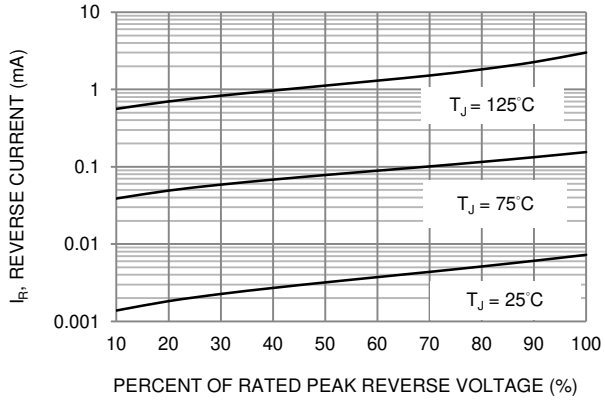

FIG.3 TYPICAL REVERSE CHARACTERISTICS

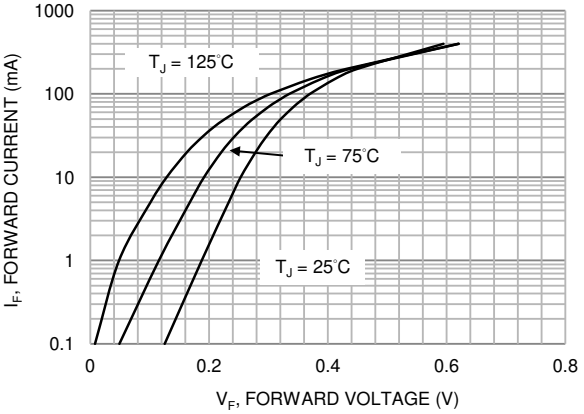

FIG.4 TYPICAL FORWARD CHARACTERISTICS

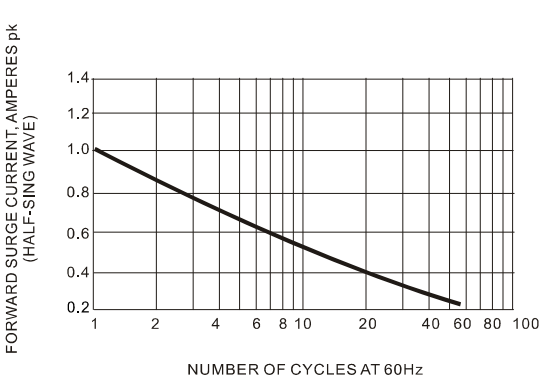

FIG.5 MAXIMUM NON-REPEITIVE SURGE CURRENT

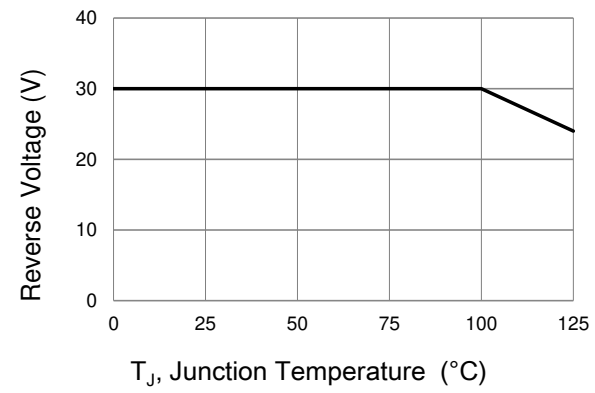

Fig.6 Operating Temperature Derating Curve

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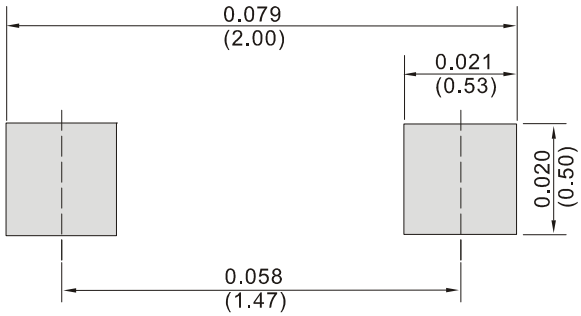
MOUNTING PAD LAYOUT

SOD-523 Unit : inch(mm)



ORDER INFORMATION

- Packing information

  T/R - 12K per 13" plastic Reel

  T/R - 5K per 7" plastic Reel

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Part No_packing code_Version

RB521S30_R1_00001

RB521S30_R2_00001

For example :

RB500V-40_R2_00001

Part No.

Serial number

Version code means HF

Packing size code means 13"

Packing type means T/R

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