



RB521S30

SURFACE MOUNT SCHOTTKY DIODES

VOLTAGE 30 Volts **CURRENT** 200 mA

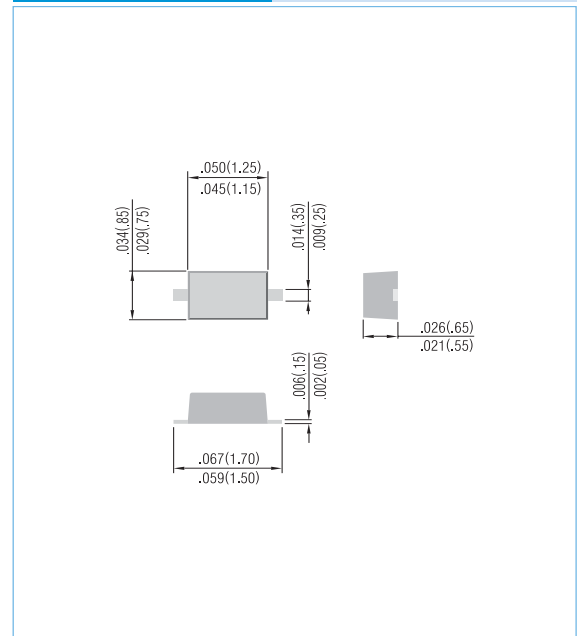
SOD-523 Unit: inch (mm)

FEATURES

- Extremely High Switching Speed
- Surface mount package ideally suited for automatic insertion
- In compliance with EU RoHS 2002/95/EC directives

MECHANICAL DATA

- Case: SOD-523, Plastic
- Terminals: Solderable per MIL-STD-750, Method 2026
- Approx Weight : 0.008 gram
- Marking : 21



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 ($T_J = 25^\circ\text{C}$ unless otherwise noted)

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



RB521S30

RATING AND CHARACTERISTIC CURVES

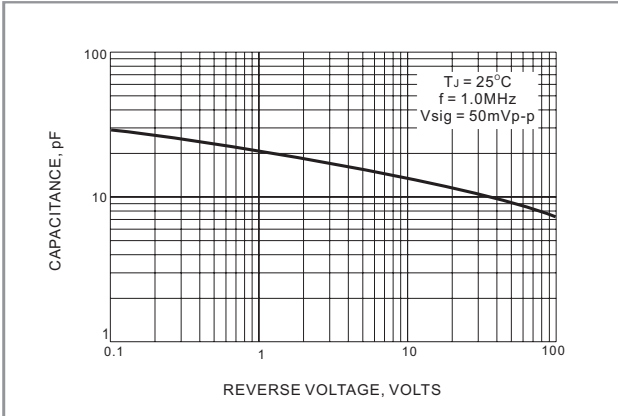


FIG.1 TYPICAL JUNCTION CAPACITANCE

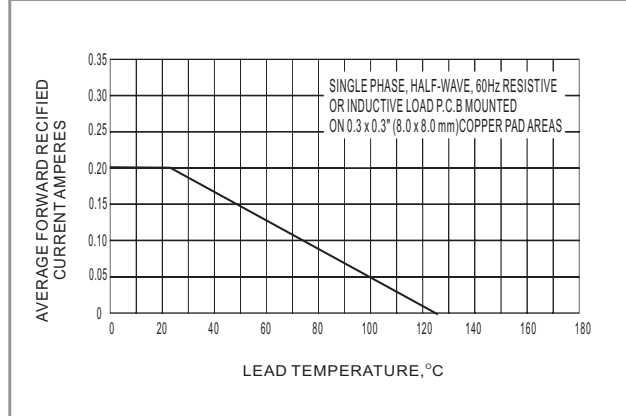


FIG.2 MAXIMUM AVERAGE FORWARD CURRENT DERATING

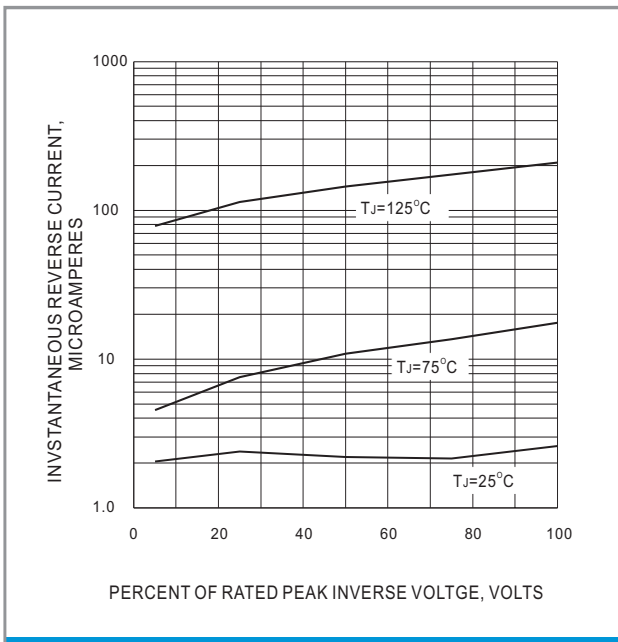


FIG.3 TYPICAL REVERSE CHARACTERISTICS

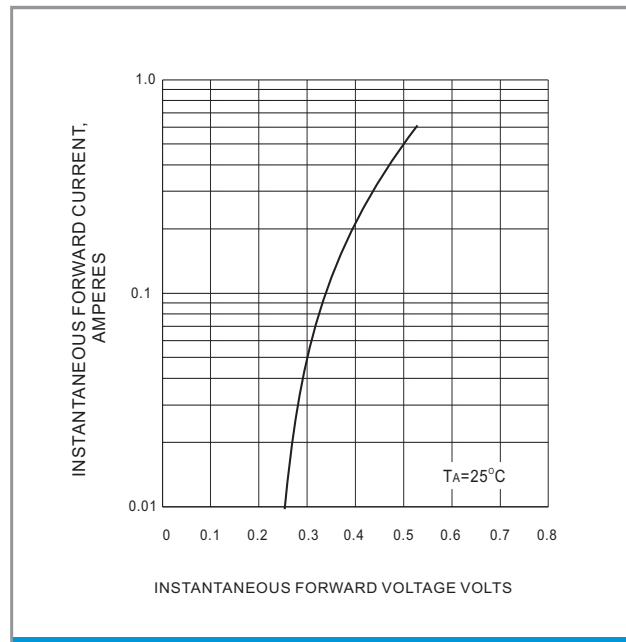


FIG.4 TYPICAL FORWARD CHARACTERISTICS

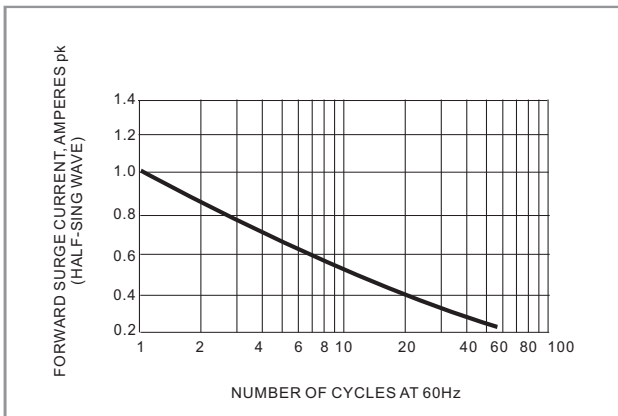


FIG.5 MAXIMUM NON-REPETITIVE SURGE CURRENT

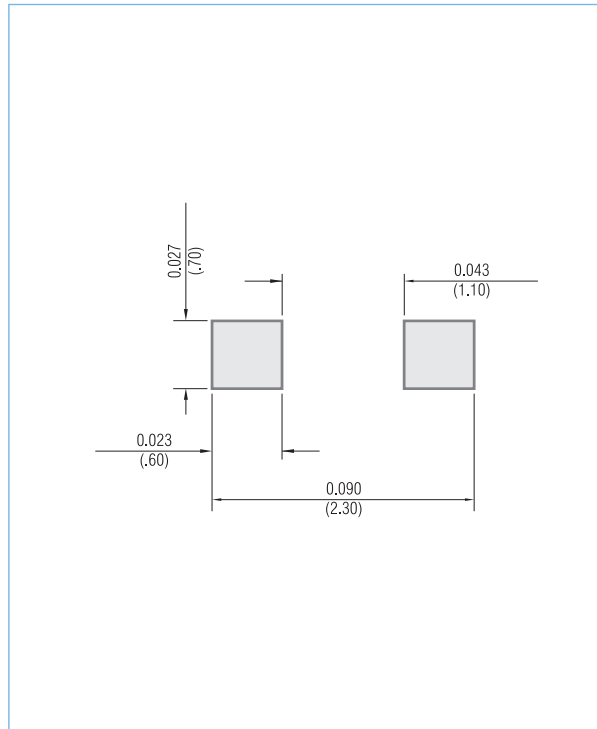


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MOUNTING PAD LAYOUT

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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