



SS1030

SCHOTTKY BARRIER DIODE

FEATURES

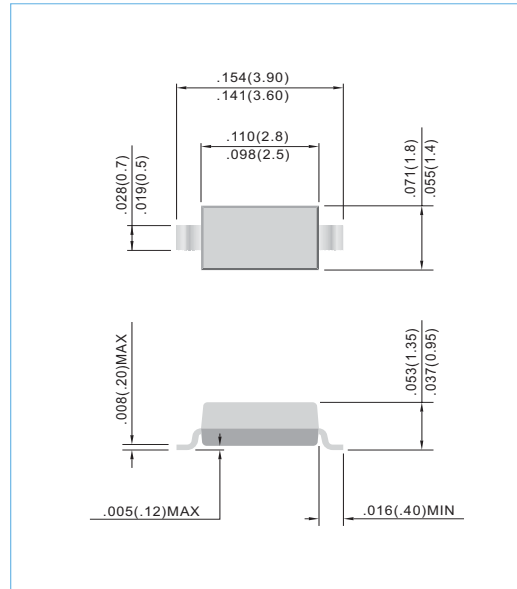
- General rectification
- Small power mold type (PMDU)
- Low I_R
- High reliability
- Silicon epitaxial planar
- In compliance with EU RoHS 2002/95/EC directives

APPLICATIONS

- Case: SOD-123 plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Approx. Weight : 0.01 gram
- Marking : GS

SOD-123

Unit: inch (mm)



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

PARAMETER	SYMBOL	LIMITS	UNIT
Reverse Voltage (repetitive peak)	V_{RM}	30	V
Reverse Voltage (DC)	V_R	30	V
Average Rectified Forward Current	I_O	1	A
Forward Current Surge Peak (60Hz . 1cyc)	I_{FSM}	30	A
Operating Junction and Storage Temperature Range	T_J, T_{STG}	-40 to 125 °C	°C

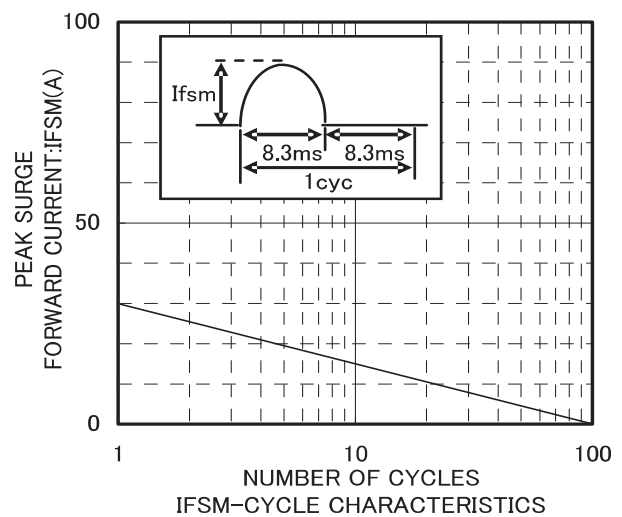
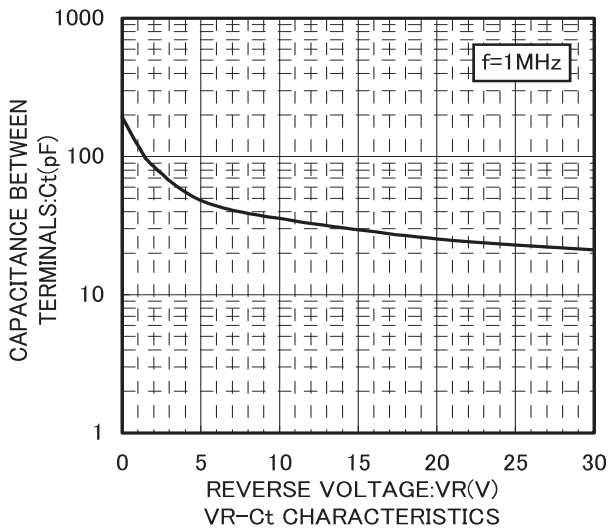
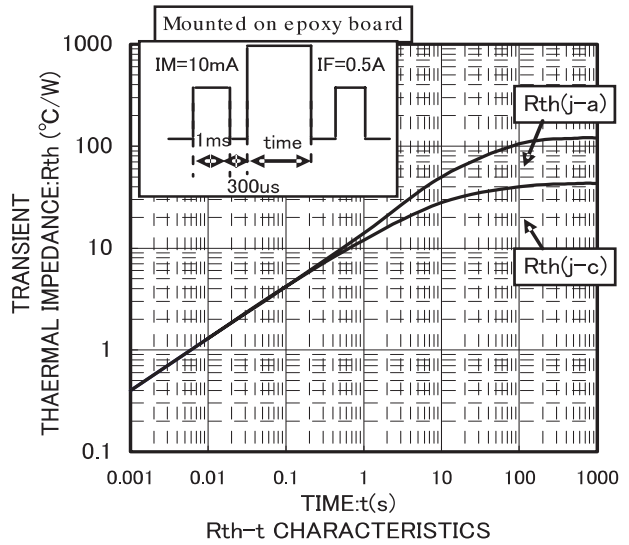
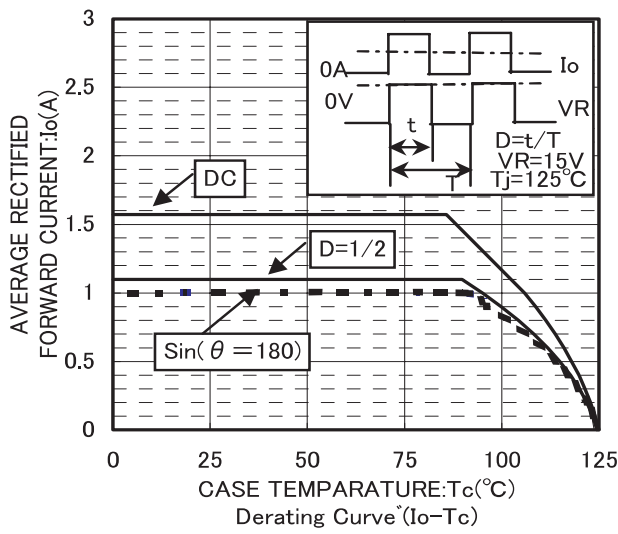
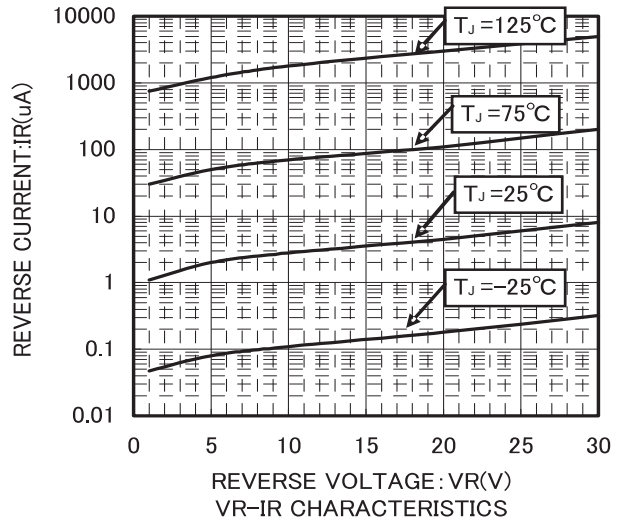
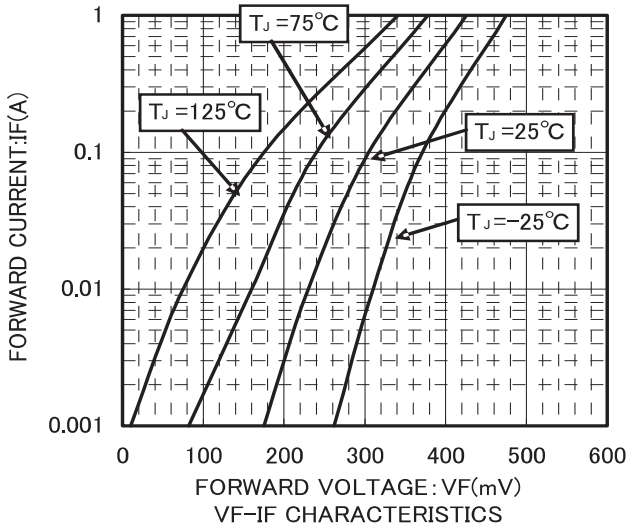
ELECTRICAL CHARACTERISTICS ($T_A = 25^\circ\text{C}$)

PARAMETER	SYMBOL	TEST CONDITIONS	MIN	TYP	MAX	UNITS
Forward Voltage	V_{F1}	$I_F = 0.5A$	-	0.39	0.46	V
	V_{F2}	$I_F = 1.0A$	-	0.43	0.48	V
Reverse Current	I_{R1}	$V_R = 15V$	-	3.0	20	μA
	I_{R2}	$V_R = 30V$	-	9.0	50	μA



SS1030

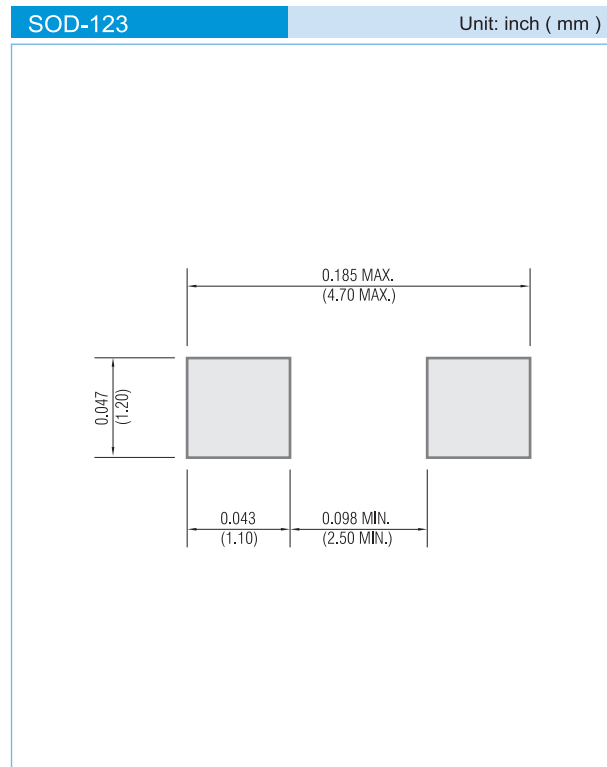
● Electrical characteristic curves ($T_a=25^\circ\text{C}$)





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MOUNTING PAD LAYOUT



ORDER INFORMATION

- Packing information
 - T/R - 10K per 13" plastic Reel
 - T/R - 3K per 7" plastic Reel

LEGAL STATEMENT

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