

Schottky Barrier Diode

RB160M-30

FEATURES

- Small power mold type
- Low I_R
- High reliability

HF

1 CATHODE 2 ANODE



SOD-123

APPLICATIONS

- General rectification

ORDERING INFORMATION

Type No.	Marking	Package Code
RB160M-30	73	SOD-123

MAXIMUM RATING @ $T_a=25^{\circ}\text{C}$ unless otherwise specified

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse Voltage	V_R	30	V
Average rectified forward current	I_O	1	A
Forward current surge peak (60Hz / 1cyc)	I_{FSM}	30	A
Power Dissipation	P_d	400	mW
Storage temperature	T_{STG}	-40 to +125	$^{\circ}\text{C}$
Junction temperature	T_J	125	$^{\circ}\text{C}$

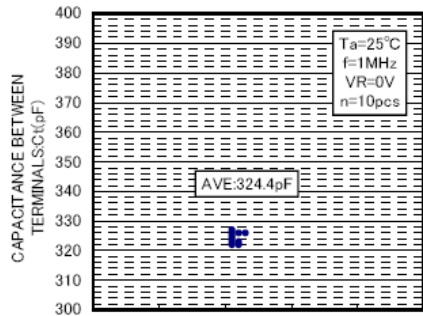
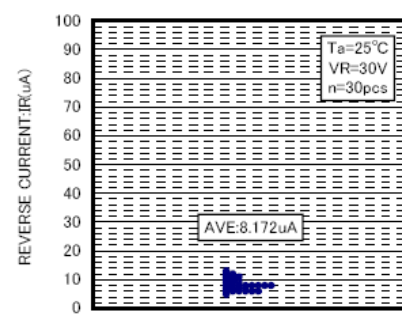
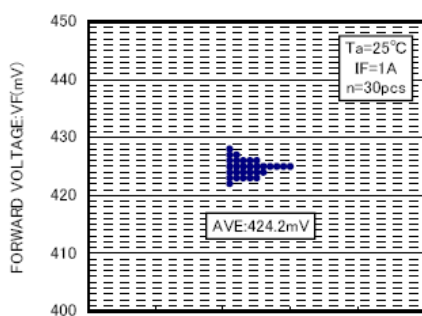
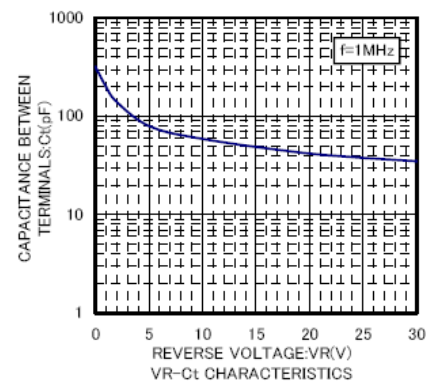
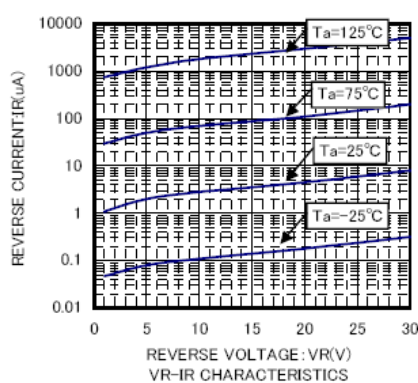
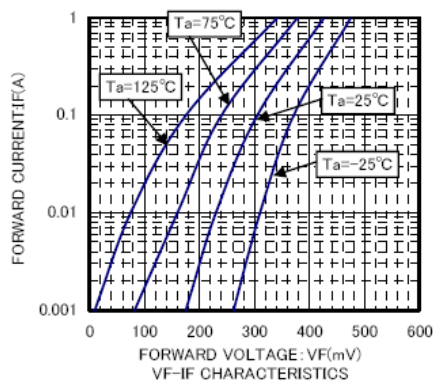
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ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

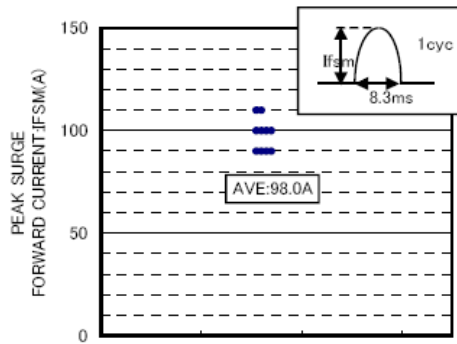
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	$I_F=0.5A$	-	0.39	0.46	V
		$I_F=1.0A$	-	0.43	0.48	V
Reverse Current	I_R	$V_R=15V$	-	3.0	20	μA
		$V_R=30V$	-	9.0	50	μA

TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

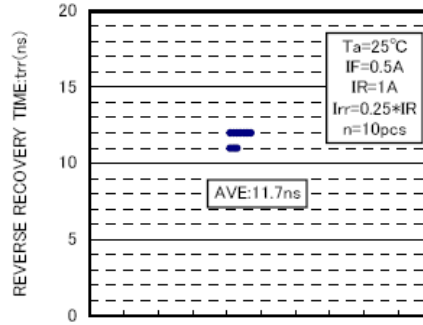


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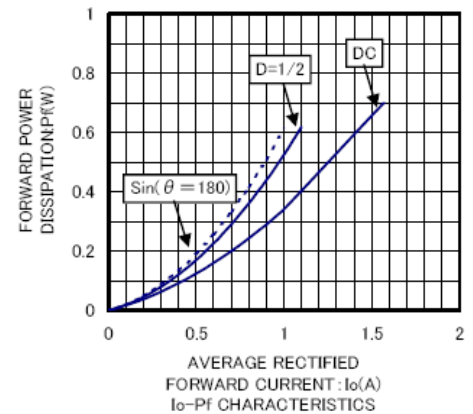
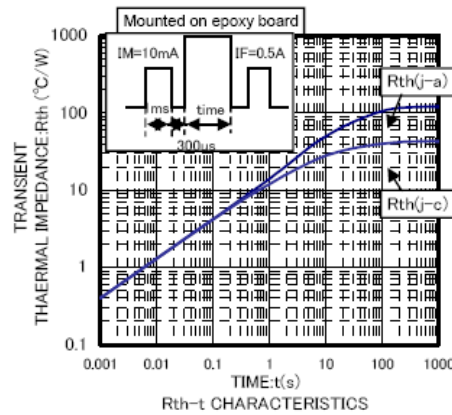
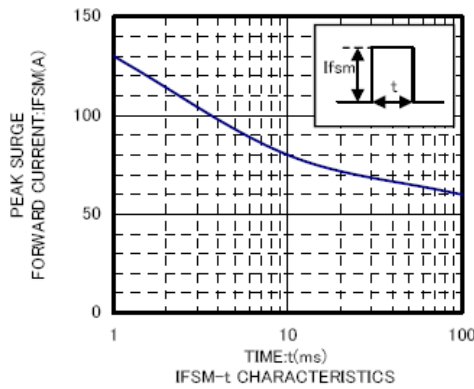
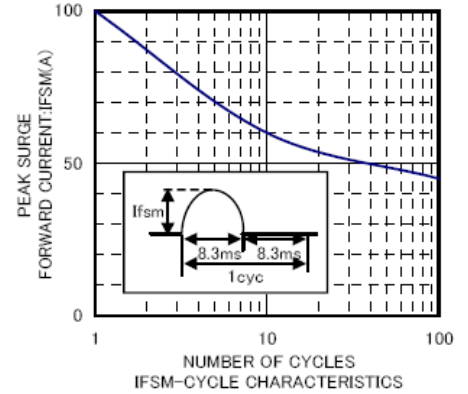
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IFSM DISERSION MAP



trr DISPERSION MAP



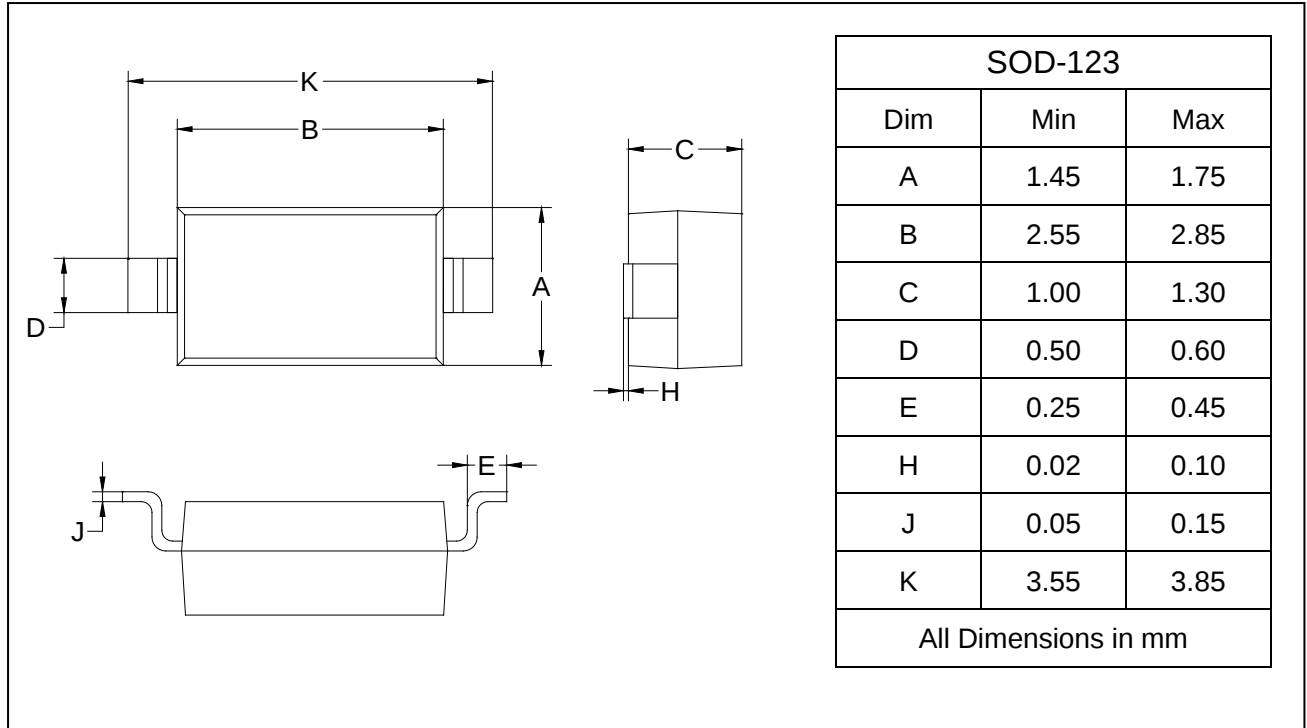
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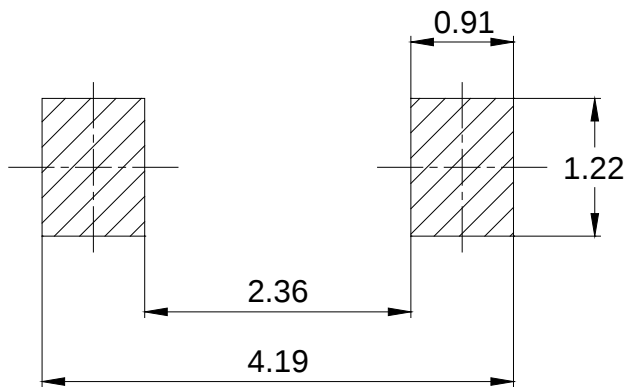
PACKAGE OUTLINE

Plastic surface mounted package

SOD-123



SOLDERING FOOTPRINT



Unit: mm

PACKAGE INFORMATION

Device	Package	Shipping
RB160M-30	SOD-123	3000pcs / Tape & Reel