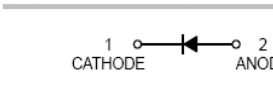
Schottky Barrier Diode **RB160M-30**

FEATURES

- Small power mold type
- Low I_R
- High reliability

HF





SOD-123

APPLICATIONS

- General rectification

ORDERING INFORMATION

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

MAXIMUM RATING @ Ta=25℃ unless otherwise specified

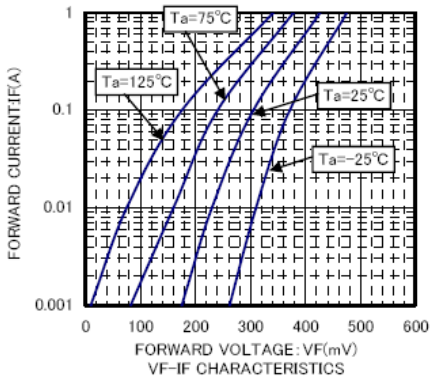
Parameter	**Symbol**	**Limits**	**Unit**
Reverse voltage (repetitive peak)	V_{RM}	30	V
Reverse Voltage	V_R	30	V
Average rectified forward current	I_O	1	A
Forward current surge peak (60Hz / 1cyc)	I_{FSM}	30	A
Power Dissipation	P_d	400	mW
Storage temperature	T_{STG}	-40 to+125	℃
Junction temperature	T_J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

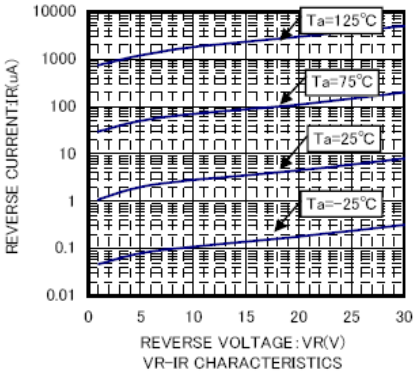
Schottky Barrier Diode **RB160M-30**

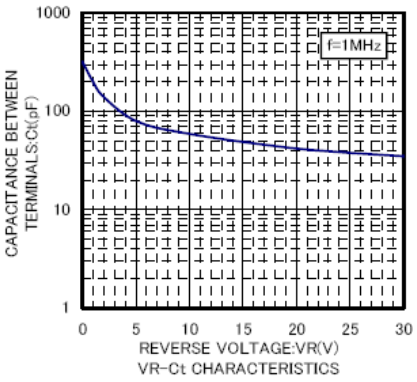
ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

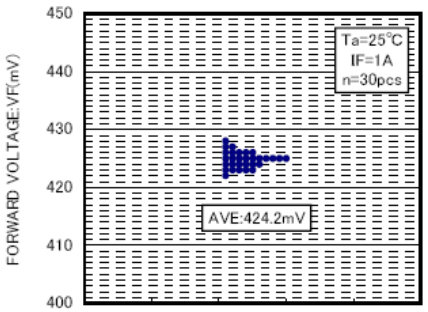
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward Voltage	V_F	I_F=0.5A	-	0.39	0.46	V
		I_F=1.0A	-	0.43	0.48	V
Reverse Current	I_R	V_R=15V	-	3.0	20	μA
		V_R=30V	-	9.0	50	μA

TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

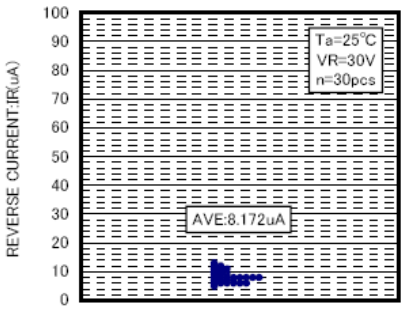




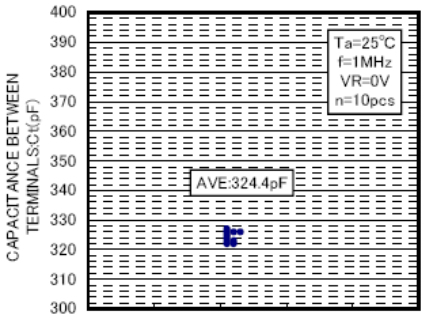




VF DISPERSION MAP

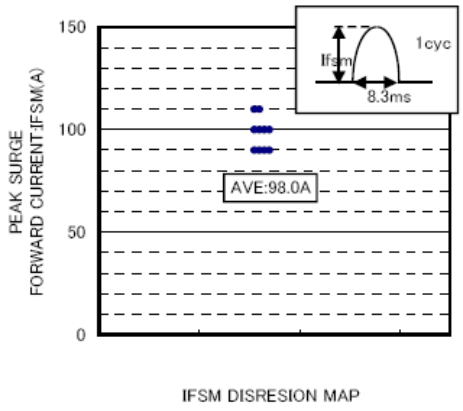


IR DISPERSION MAP

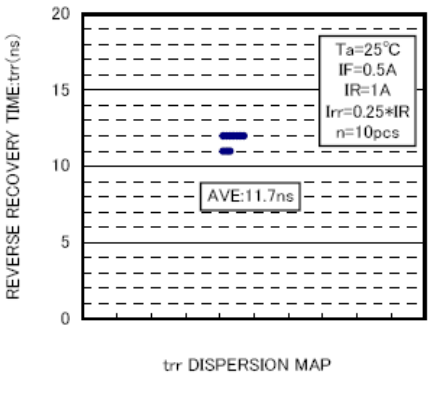


Ct DISPERSION MAP

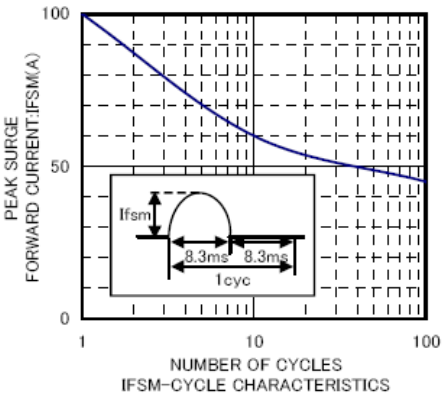
Schottky Barrier Diode **RB160M-30**

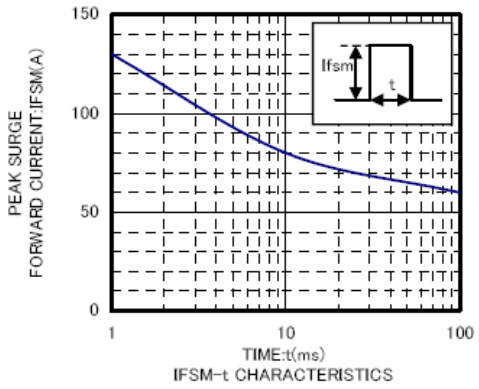


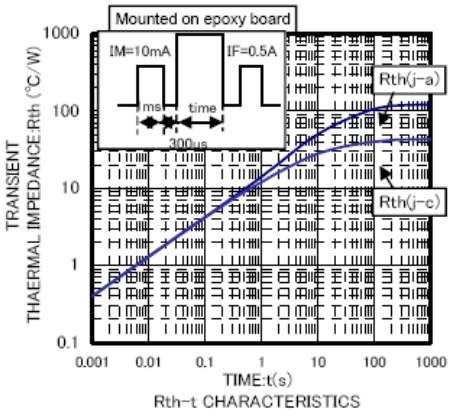
IFSM DISRESION MAP

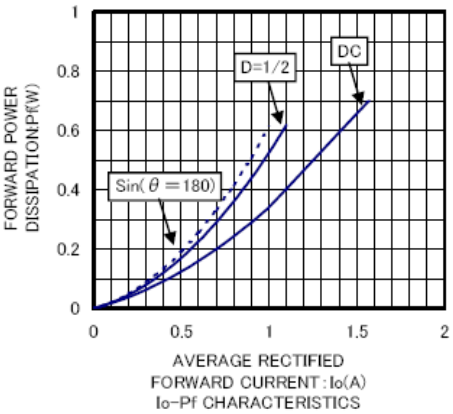


trr DISPERSION MAP





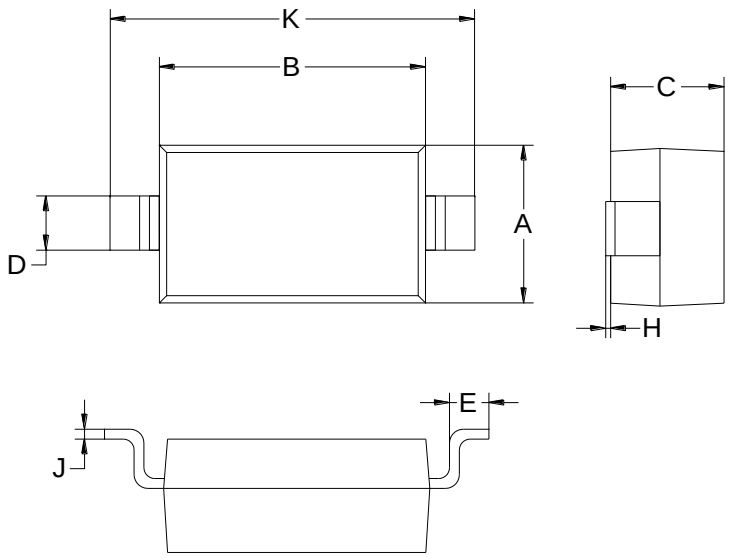




Schottky Barrier Diode **RB160M-30**

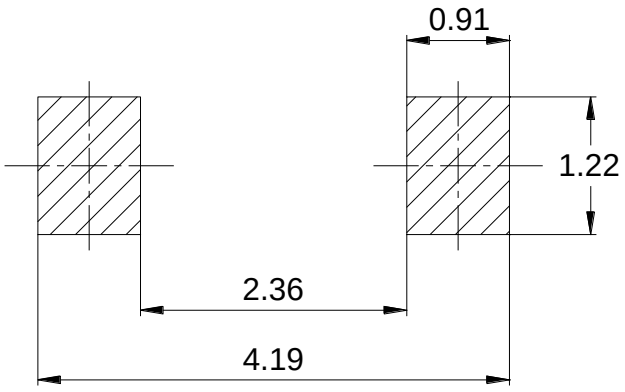
PACKAGE OUTLINE

Plastic surface mounted package SOD-123



SOD-123		
Dim	Min	Max
A	1.45	1.75
B	2.55	2.85
C	1.00	1.30
D	0.50	0.60
E	0.25	0.45
H	0.02	0.10
J	0.05	0.15
K	3.55	3.85
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit: mm

PACKAGE INFORMATION

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