

Schottky Barrier Diode

RSX101M-30

●Applications

General rectification

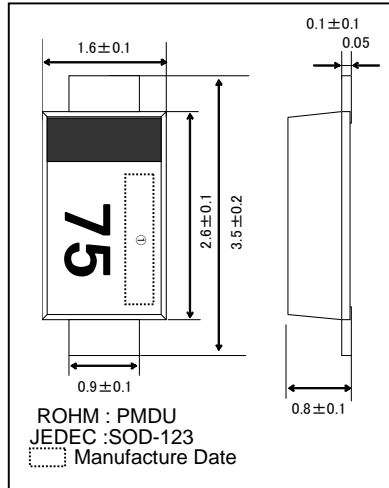
●Features

- 1) Small power mold type. (PMDU)
- 2) Low V_F , Low I_R
- 3) High reliability

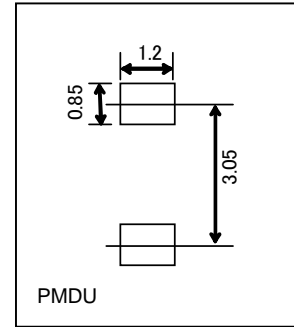
●Construction

Silicon epitaxial

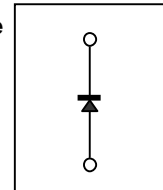
●Dimensions (Unit : mm)



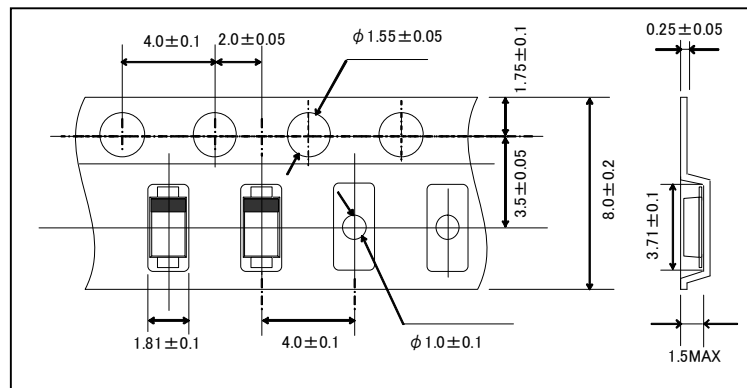
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



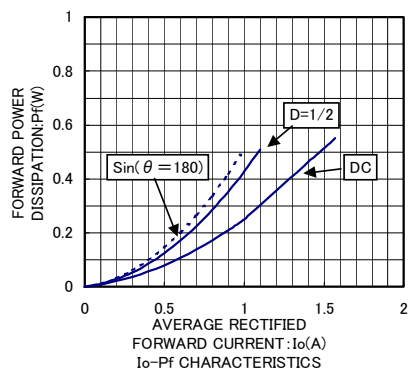
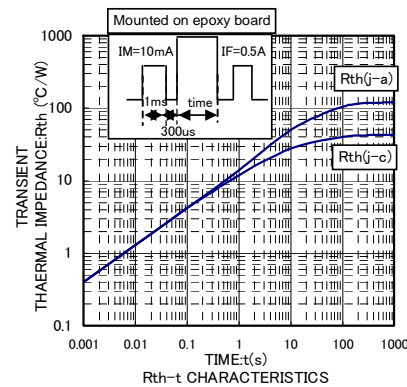
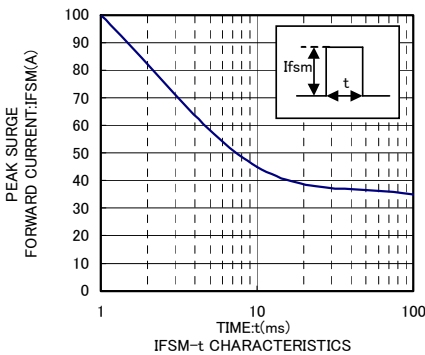
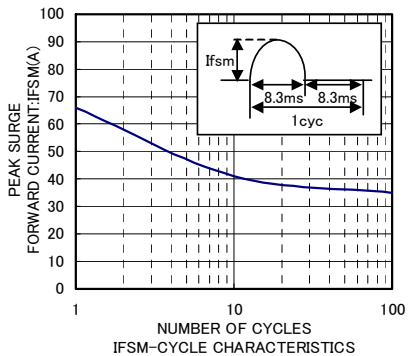
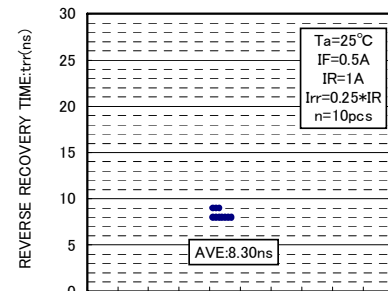
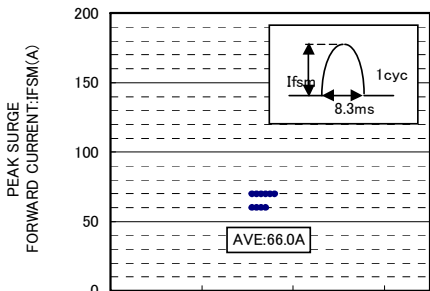
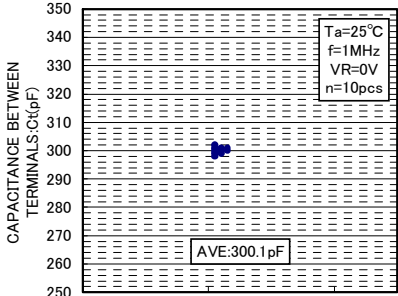
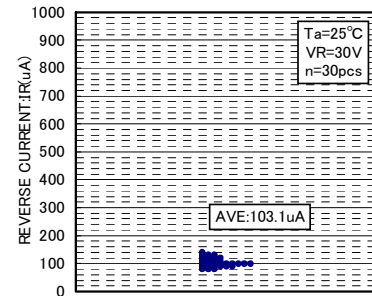
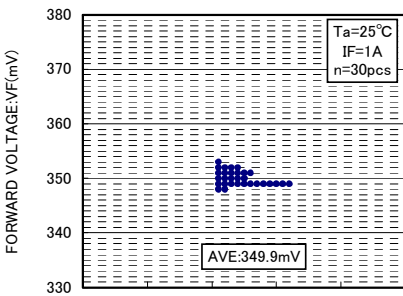
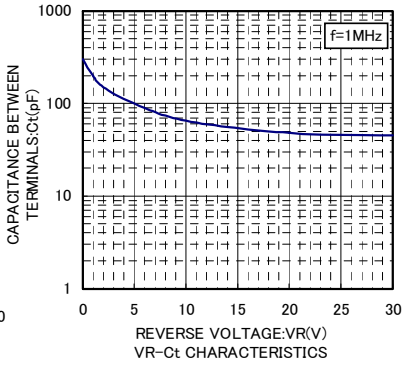
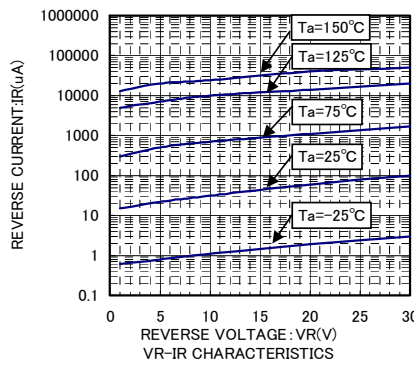
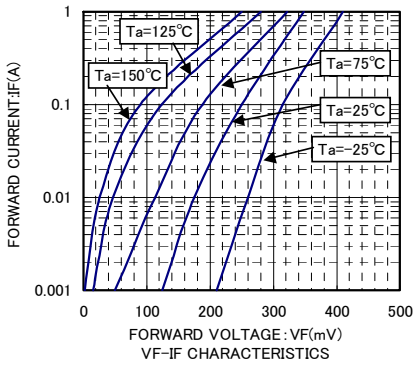
●Absolute maximum ratings (Ta=25°C)

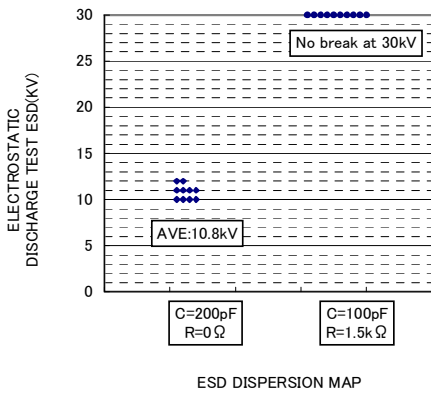
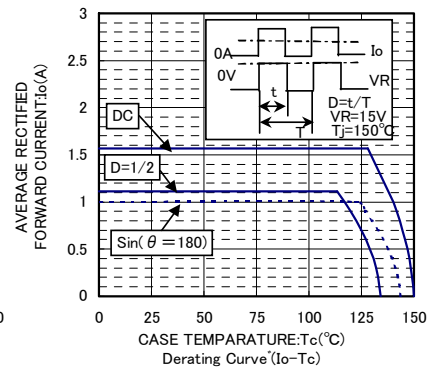
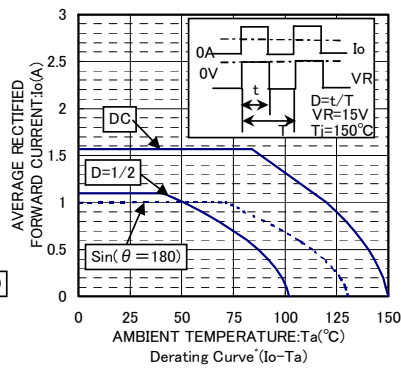
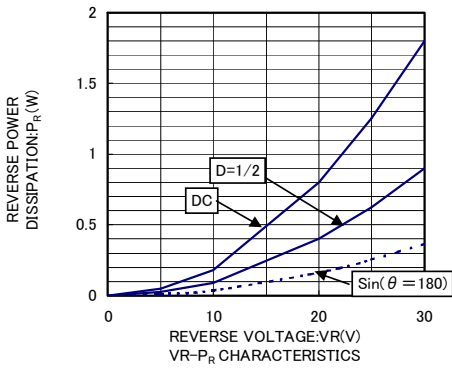
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	1	A
Forward current surge peak (60Hz· 1cyc)	I_{FSM}	45	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +150	°C

(*1) Mounting on epoxy board. 180° Half sine wave

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.35	0.39	V	$I_F=1A$
Reverse current	I_R	-	90	200	μA	$V_R=30V$
Capacitance between terminals	C_t	-	60.0	-	pF	$V_R=10V, f=1MHz$
ESD breakdown voltage	ESD	-	12.0	-	kV	$C=200pF, R=0Ω$





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