

Schottky Barrier Diode

RSX101M-30

Applications

General rectification

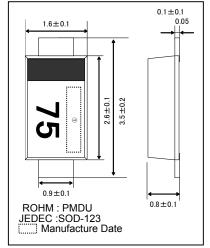
Features

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

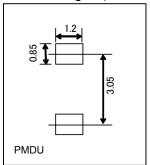
Construction

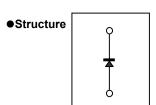
Silicon epitaxial

●Dimensions (Unit: mm)

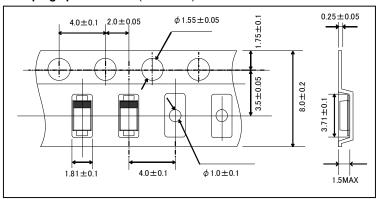


●Land size figure (Unit : mm)





● Taping specifications (Unit: mm)



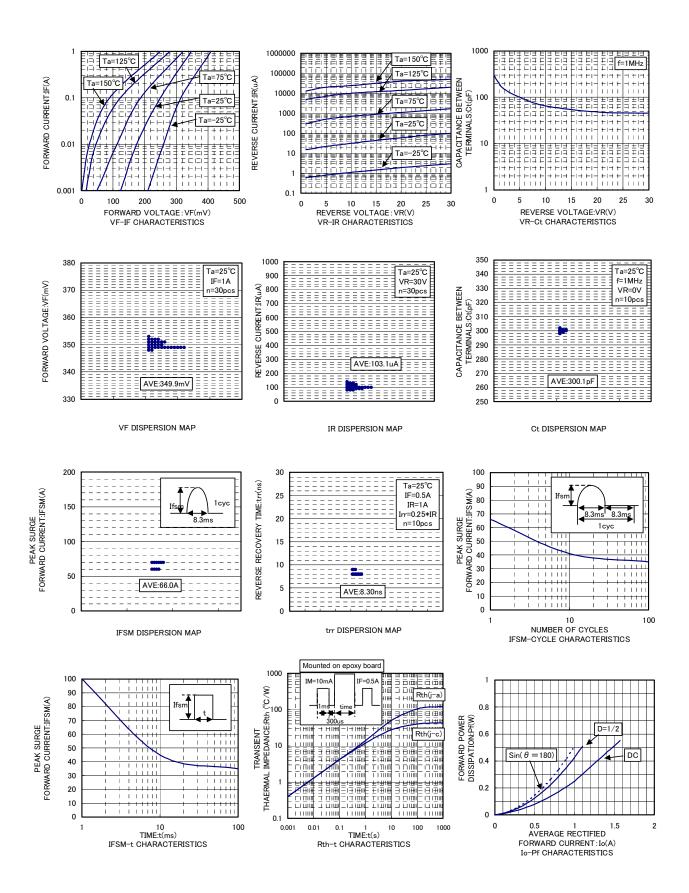
● Absolute maximum ratings (Ta=25°C)

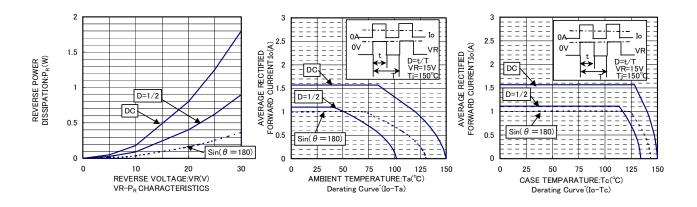
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive)	V_{RM}	30	V
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	lo	1	Α
Forward current surge peak (60Hz- 1cyc)	I _{FSM}	45	Α
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	°C

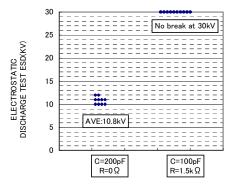
^(*1)Mounting on epoxi board. 180°Half sine wave

●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	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	Ct	=	60.0	-	pF	V _R =10V , f=1MHz
ESD breakdown voltage	ESD	-	12.0	-	kV	C=200pF ,R=0Ω







ESD DISPERSION MAP

Notes

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