

Schottky barrier diode

RSX301LA-30

Applications

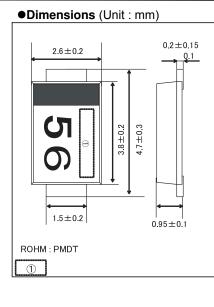
General rectification

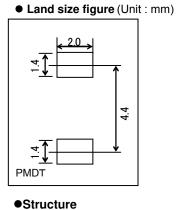
Features

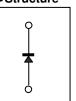
Small and Thin power mold type.
(PMDT)
Low I_R & Low V_F
High reliability.

Construction

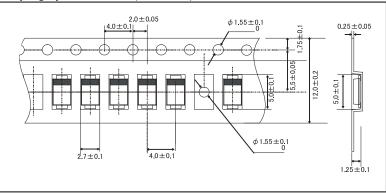
Silicon epitaxial planer







•Taping specifications (Unit : mm)



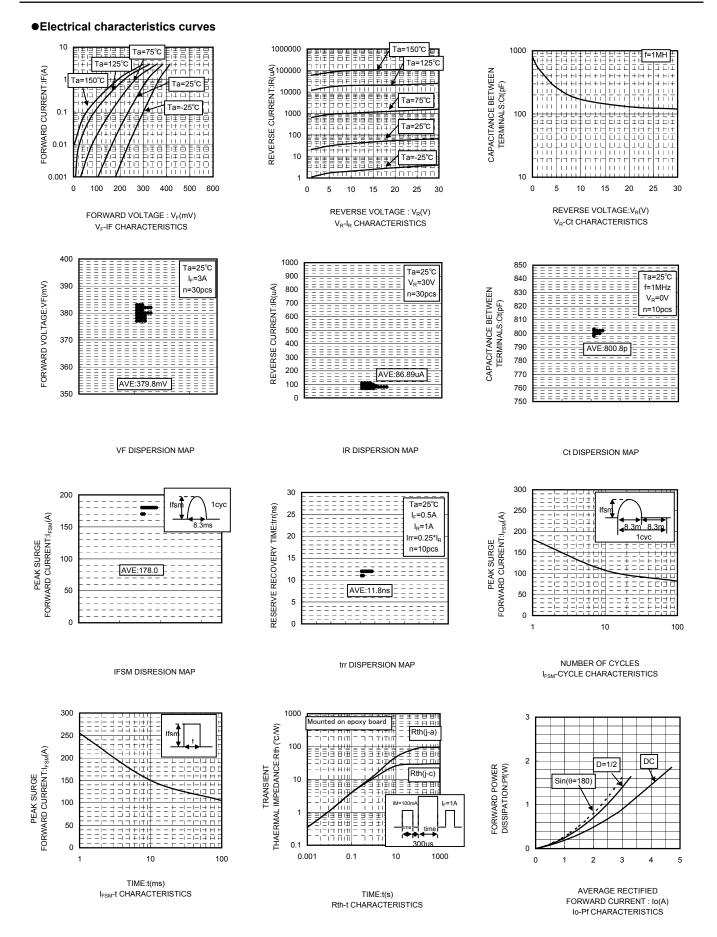
•Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	30	V
Reverse voltage (DC)	V _R	30	V
Average rectified forward current	lo	3	А
Forward current saurge peak (60Hz / 1cyc)	I _{FSM}	70	А
Junction temperature	Tj	150	°C
Storage temperature	Tstg	-40 to +150	٥°

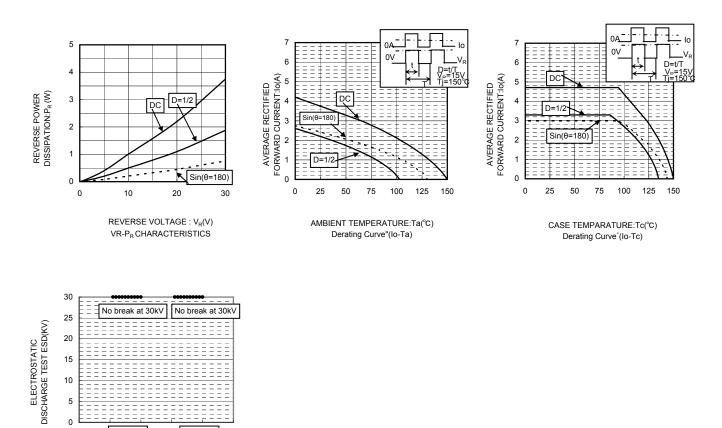
(*1)Tc=90°C max Mounted on epoxy board. 180°Half sine wave

•Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.42	V	I _F =3.0A
Reverse current	I _R 1	-	-	90	μA	V _R =15V
	I _R 2	-	-	200	μA	V _R =30V



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ESD DISPERSION MAP

C=200pF R=0Ω C=100pF R=1.5kΩ

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