Schottky barrier diode RSX501L-20

Applications

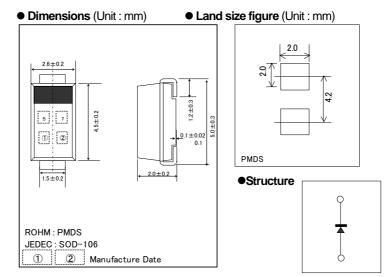
General rectification

Features

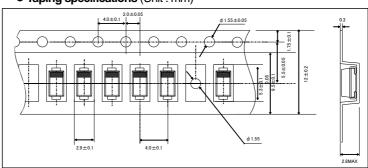
- 1) Small power mold type. (PMDS)
- 2) Low V_F, Low I_R.
- 3) High reliability.

Construction

Silicon epitaxial planar



• Taping specifications (Unit : mm)



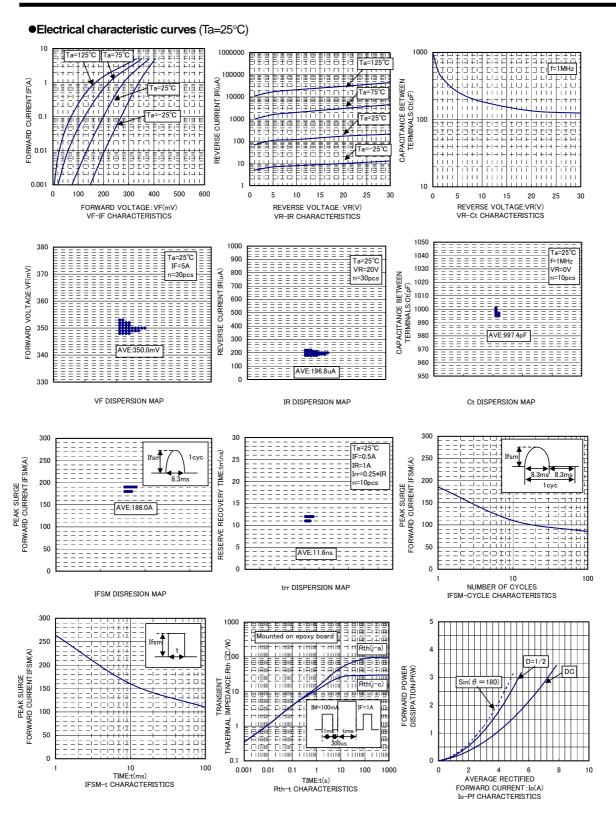
● Absolute maximum ratings (Ta=25°C)

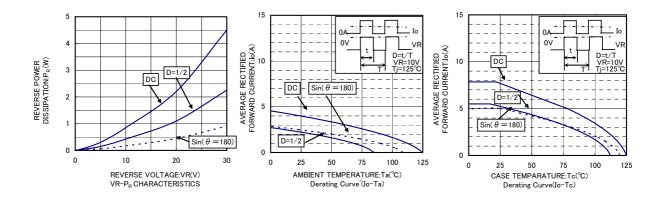
- ·			
Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V_{RM}	25	V
Reverse voltage (DC)	V_R	20	V
Average rectified forward current	lo	5	Α
Forward current surge peak (60Hz-1cyc)	I _{FSM}	70	А
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

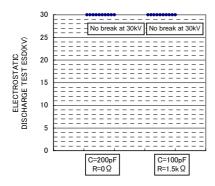
^(*1)Tc=90°C max Mouinted on epoxy board. 180° Half sine wave

●Electrical characteristics (Ta=25°C)

		- /				
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.39	V	I _F =3.0A
Reverse current	I _R	-	-	500	μA	V _R =20V







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