

Schottky barrier diode

RSX501LA-20

Applications

General rectification

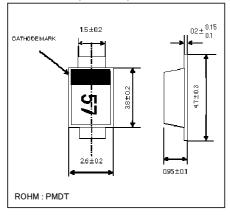
● Features

- 1) Small and Thin power mold type (PMDT)
- 2) High reliability.
- 3) Low IR

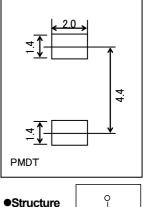
Structure

Silicon epitaxial planar

●Dimensions (Unit:mm)

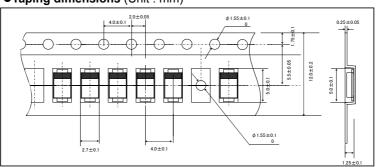


●Land size figure (Unit : mm)





●Taping dimensions (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 (*1)	lo	5.0	Α
Forward current surge peak (60Hz-1cyc)	I _{FSM}	70	Α
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40 to +125	°C

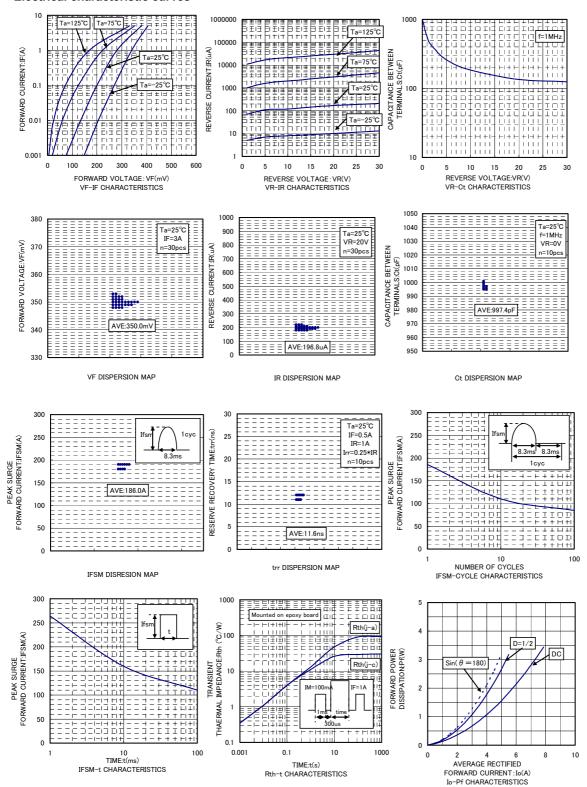
^(*1) Alumina substrate at the time of assemble, Tc=90°C max.

●Electrical characteristic (Ta=25°C)

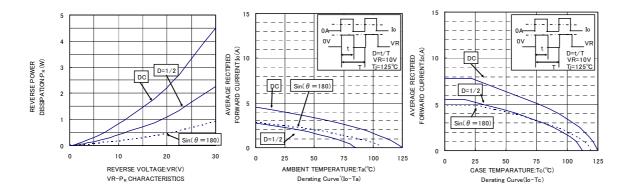
Parameter	Symbol	Min.	Тур.	Max.	Unit	Conditions
Forward voltage	V_{F}	-	-	0.39	V	I _F =3.0A
Reverse current	I_R	-	-	500	μA	V _R =20V

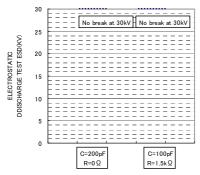
RSX501LA-20 Data Sheet

•Electrical characteristic curves



RSX501LA-20 Data Sheet





ESD DISPERSION MAP

Notes

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