

Schottky barrier diode

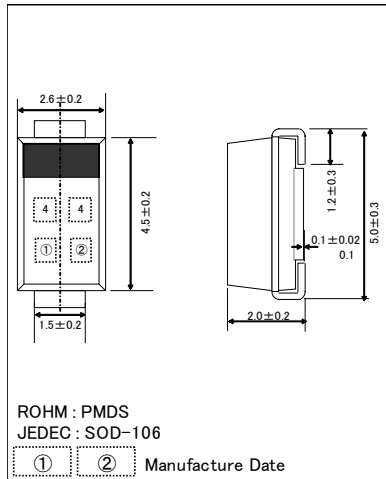
RB160L-90

●Applications
General rectification

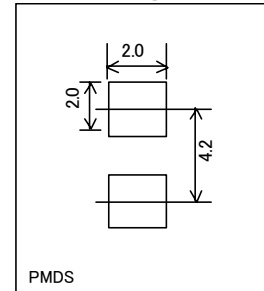
●Features
1) Small power mold type.
(PMDS)
2) Low I_r
3) High reliability

●Construction
Silicon epitaxial planar

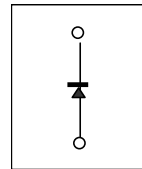
●External dimensions (Unit : mm)



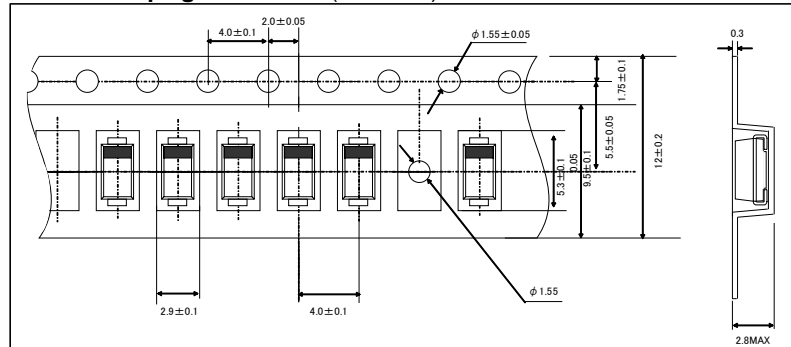
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	95	V
Reverse voltage (DC)	V _R	90	V
Average rectified forward current	I _o	1	A
Forward current surge peak (60Hz·1cyc)	I _{FSM}	30	A
Junction temperature	T _j	150	°C
Storage temperature	T _{stg}	-40 to +150	°C

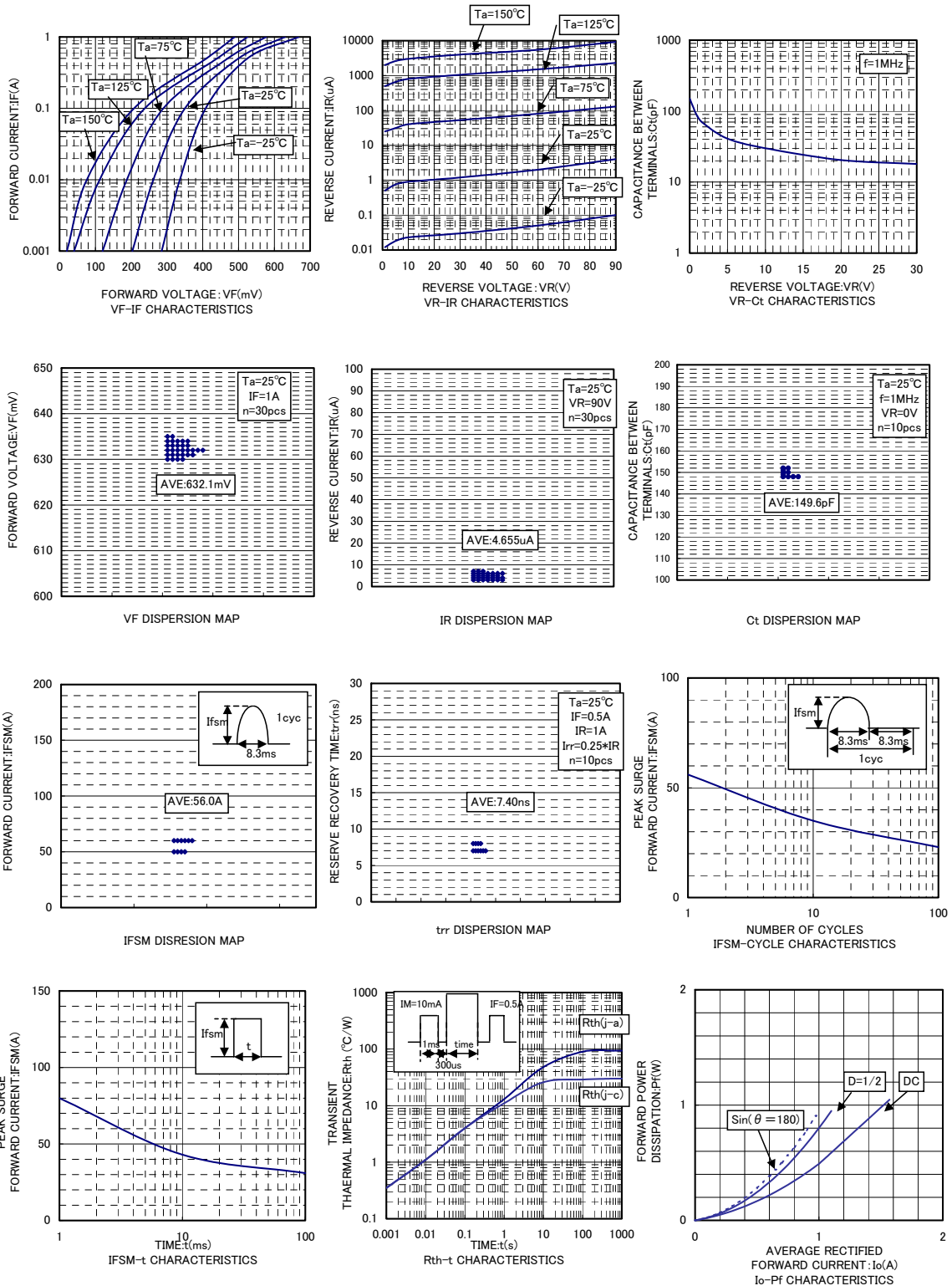
(*1) Mounted on epoxy board. 180°Half sine wave

●Electrical characteristic (Ta=25°C)

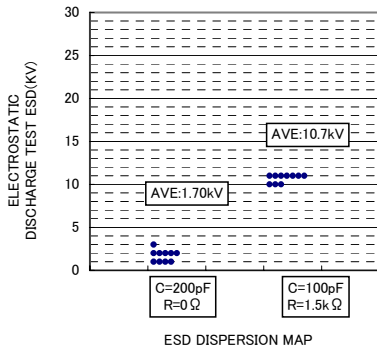
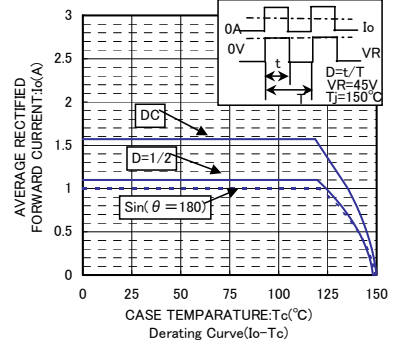
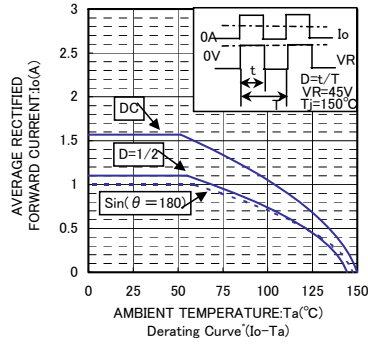
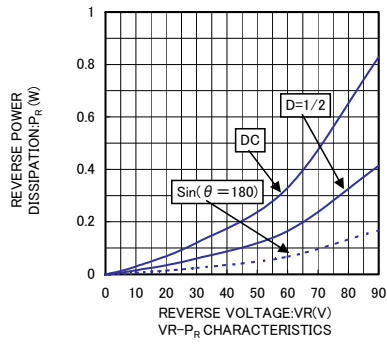
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.73	V	I _F =1.0A
Reverse current	I _R	-	-	100	μA	V _R =90V

Diodes

●Electrical characteristic curves



Diodes



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