Schottky Barrier Diode

RB060MM-30 Data Sheet

Application

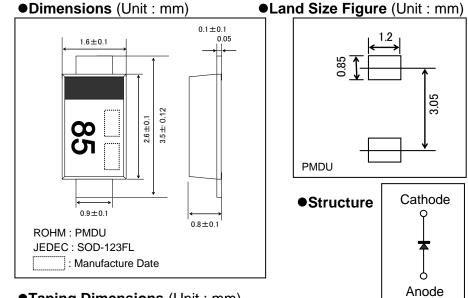
General rectification

Features

- Small power mold type (PMDU)
- 2) High reliability
- 3) Low V_F

Construction

Silicon epitaxial planar type

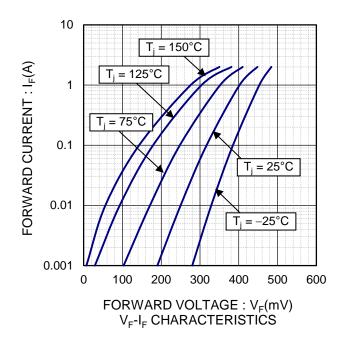


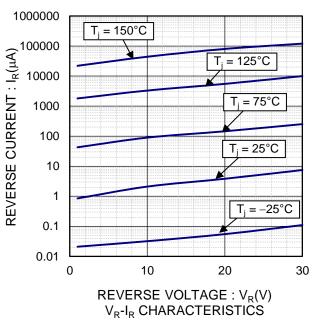
● Absolute Maximum Ratings (T_c= 25°C)

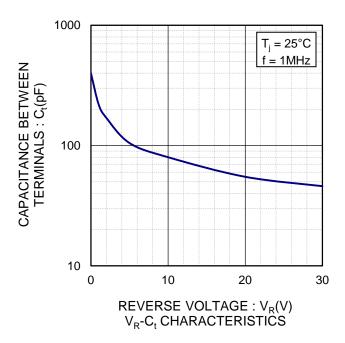
Parameter	Symbol	Conditions	Limits	Unit
Repetitive Peak Reverse Voltage	V_{RM}	Duty≦0.5	30	V
Reverse Voltage	V_R	Direct Reverse Voltage	30	V
Average Forward Rectified Current	I _o	Glass epoxi mounted, 60Hz half sin Wave resistive load, T _c =65°C max.	2	Α
Non-repetitive Forward Current Surge Peak	I _{FSM}	60Hz half sin wave ,Non-repetitive at T _a =25°C	55	Α
Operating Junction Temperature	T _j	-	150	°C
Storage Temperature	T _{stg}	-	-55 to +150	°C

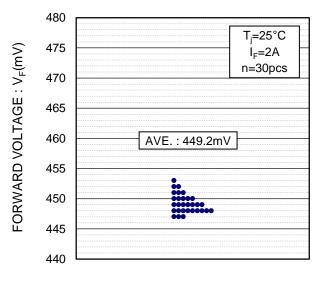
●Electrical Characteristics (T_i = 25°C)

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward Voltage	V_{F1}	I _F =1.0A	0.32	0.40	0.45	V
	V _{F2}	I _F =2.0A	0.36	0.44	0.49	V
Reverse Current	I _R	V _R =30V	-	10	50	μΑ

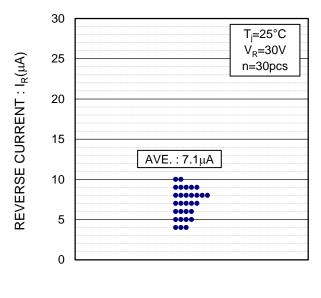


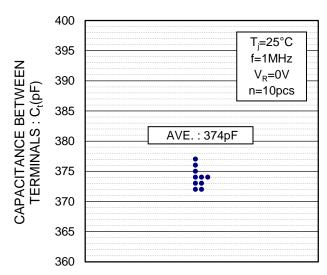






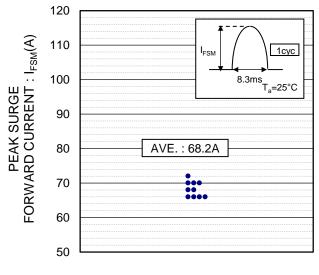
V_F DISPERSION MAP



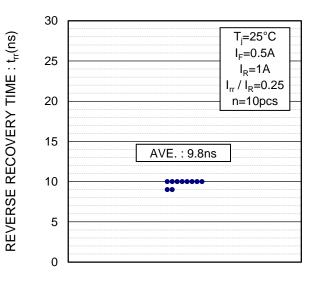


I_R DISPERSION MAP

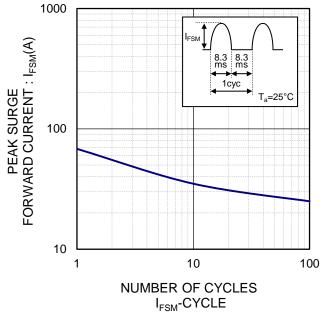
C_t DISPERSION MAP

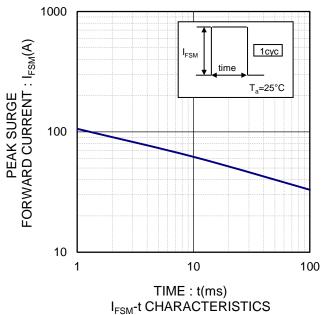


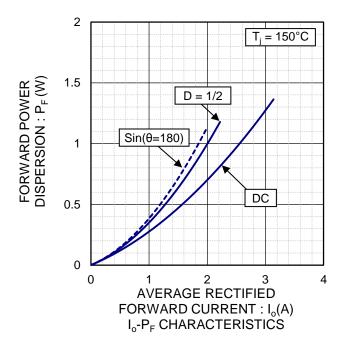
I_{FSM} DISPERSION MAP

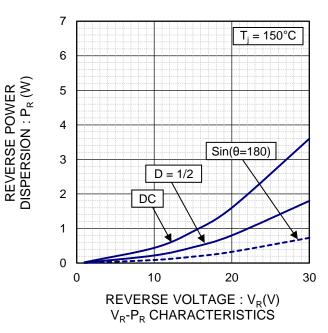


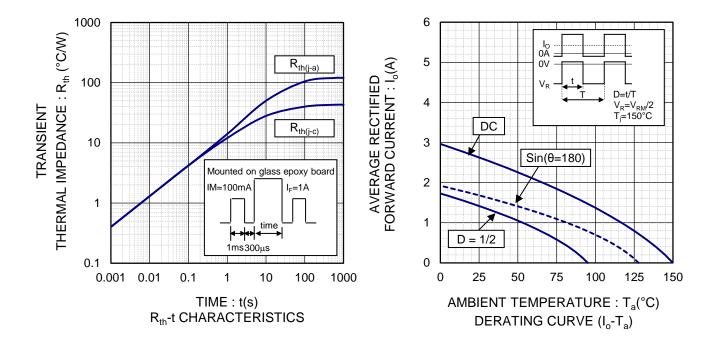
t_{rr} DISPERSION MAP

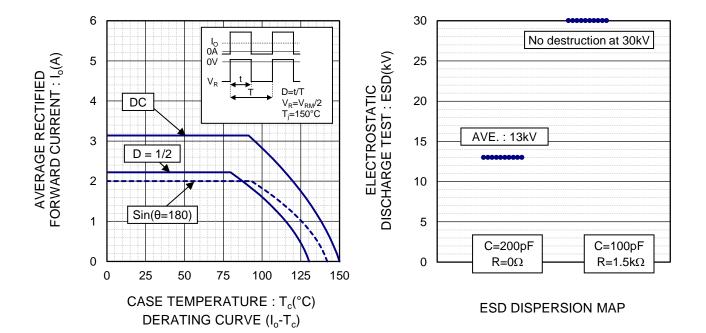












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