

Rectifier Diode

RR264M-400

●Applications

General rectification

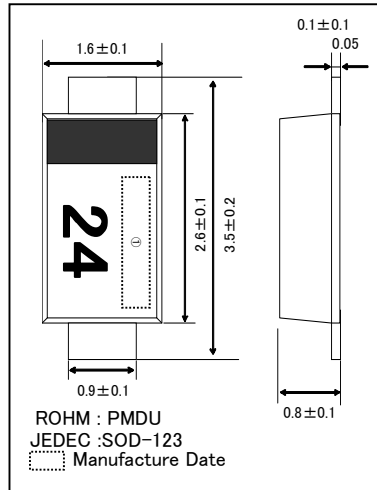
●Features

- 1) Small power mold type (PMDU)
- 2) High Reliability

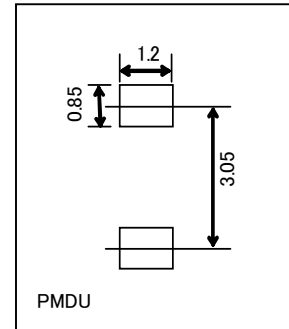
●Construction

Silicon diffused junction

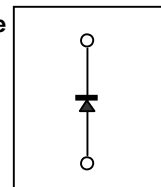
●Dimensions (Unit : mm)



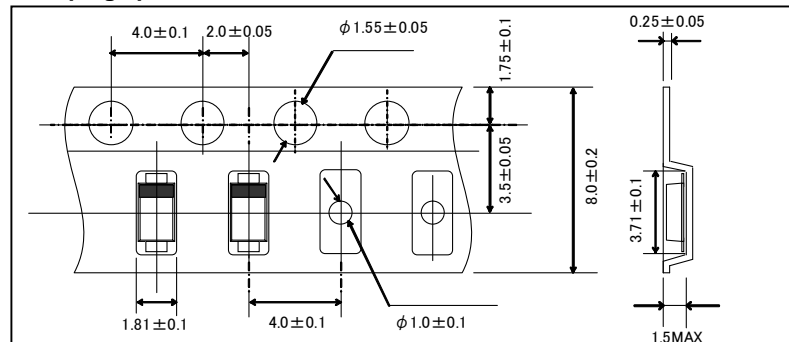
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



●Absolute maximum ratings (Ta=25°C)

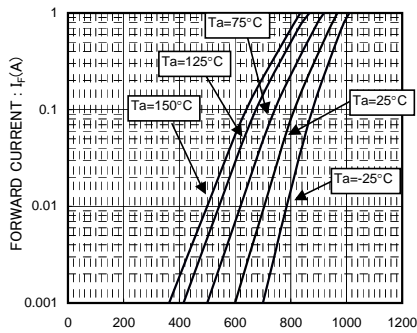
Parameter	Symbol	Limits	Unit
Reverse voltage(DC)	V_R	400	V
Forward current(DC)	I_F	1	A
Average rectified forward current(*1)	I_o	0.7	A
Forward current surge peak (60Hz/1cyc)	I_{FSM}	25	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-55 to +150	°C

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

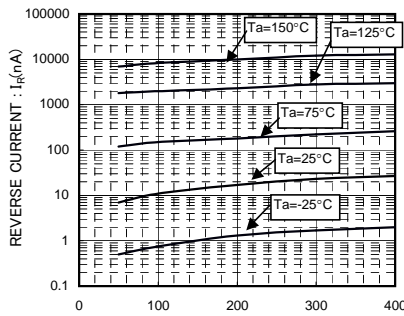
●Electrical characteristics (Ta=25°C)

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	1.1	V	$I_F=0.7A$
Reverse current	I_R	-	-	10	uA	$V_R=400V$

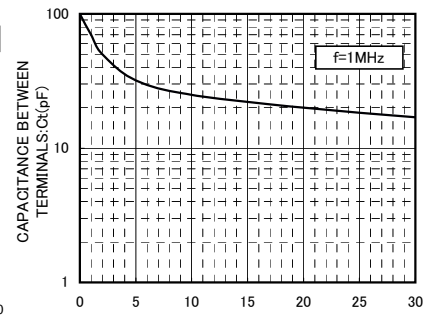
●Electrical characteristics curves



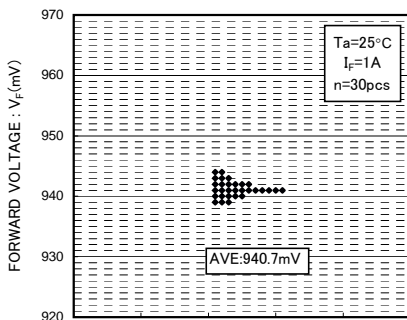
FORWARD VOLTAGE : V_f (mV)
 V_f - I_f CHARACTERISTICS



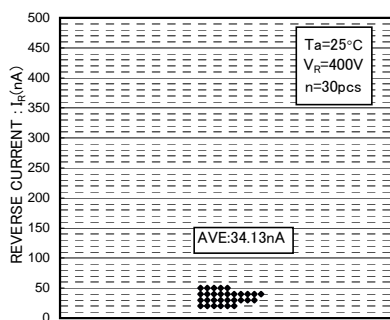
REVERSE VOLTAGE : V_r (V)
 V_r - I_r CHARACTERISTICS



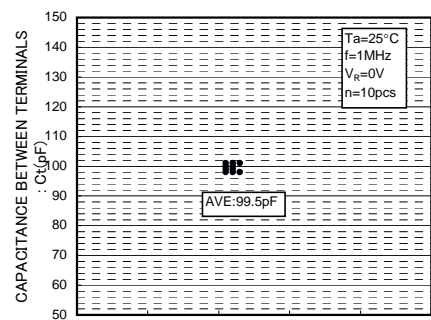
REVERSE VOLTAGE : V_r (V)
 V_r - C_t CHARACTERISTICS



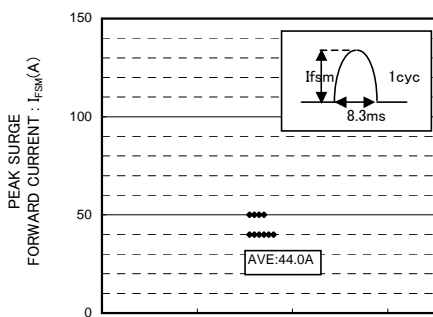
V_f DISPERSION MAP



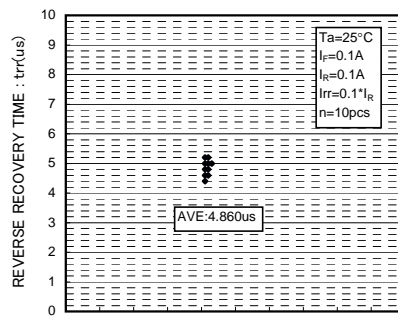
I_r DISPERSION MAP



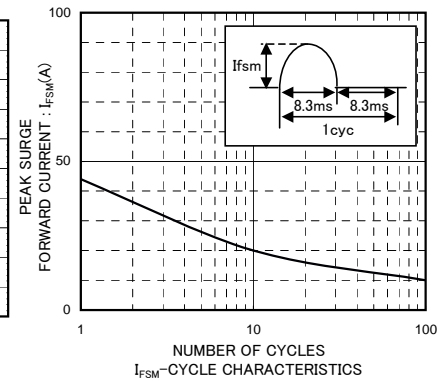
C_t DISPERSION MAP



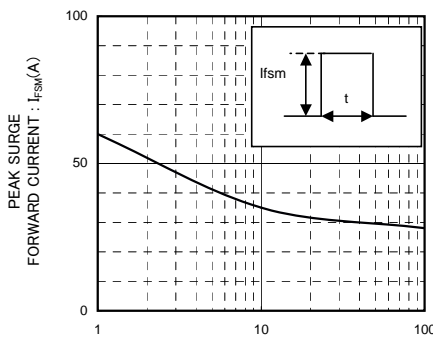
I_{FSM} DISPERSION MAP



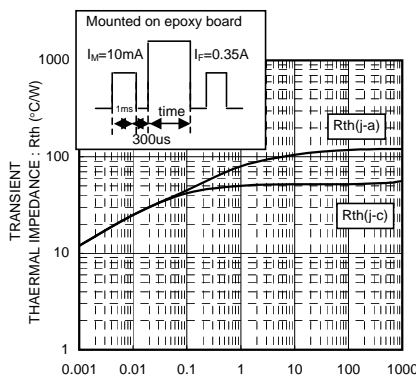
t_{rr} DISPERSION MAP



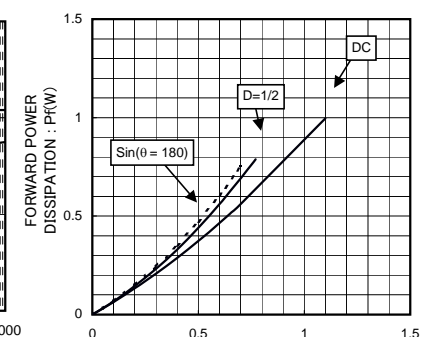
I_{FSM} -CYCLE CHARACTERISTICS



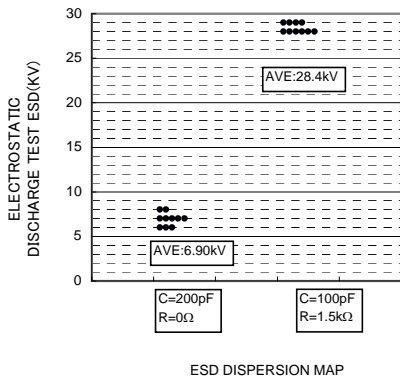
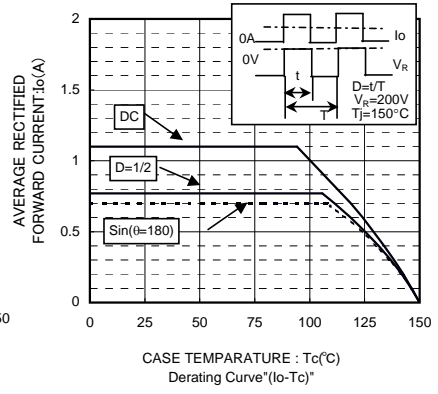
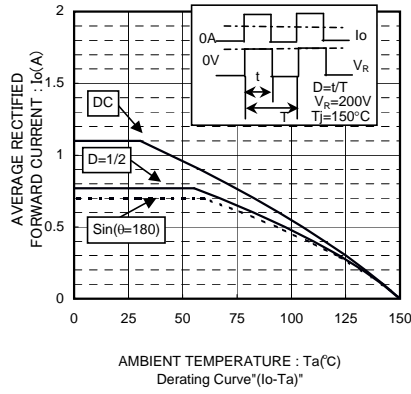
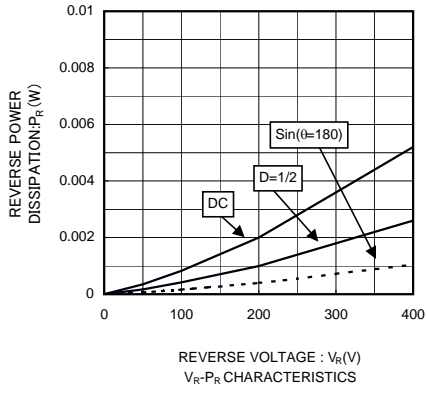
TIME : t (ms)
 I_{FSM} - t CHARACTERISTICS



TIME : t (s)
 R_{th} - t CHARACTERISTICS



AVERAGE RECTIFIED FORWARD CURRENT : I_o (A)
 I_o - P_f CHARACTERISTICS



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