

● **Applications**

Low current rectification

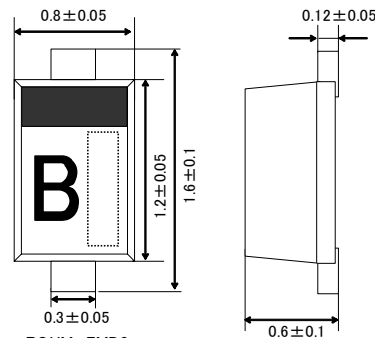
● **Features**

- 1) Ultra Small mold type. (EMD2)
- 2) Low I_R .
- 3) High reliability.

● **Construction**

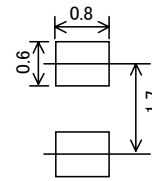
Silicon epitaxial planar

● **External dimensions (Unit : mm)**



ROHM : EMD2
JEDEC : SOD-523
JEITA : SC-79
⋯ dot (year week factory)

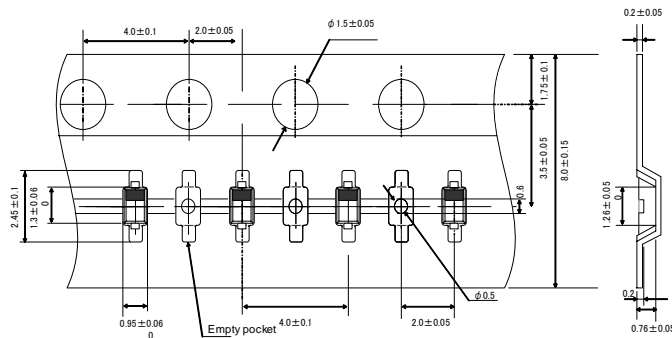
● **Land size figure (Unit : mm)**



EMD2

● **Structure**

● **Taping specifications (Unit : mm)**



● **Absolute maximum ratings (Ta=25°C)**

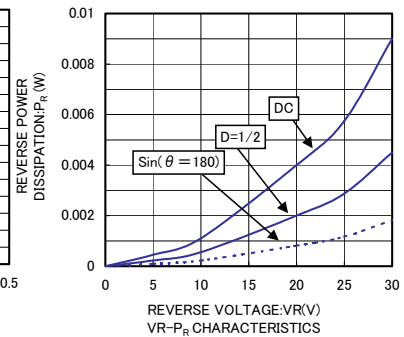
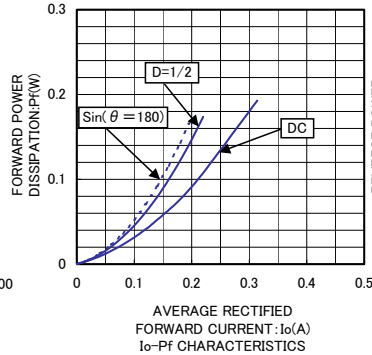
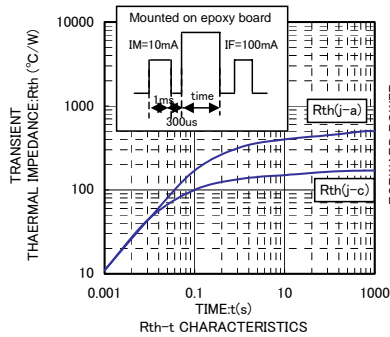
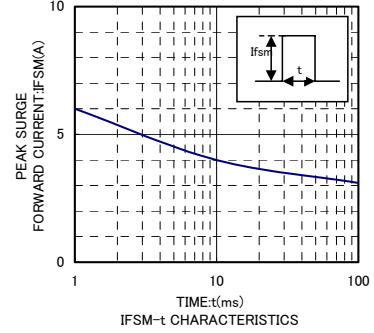
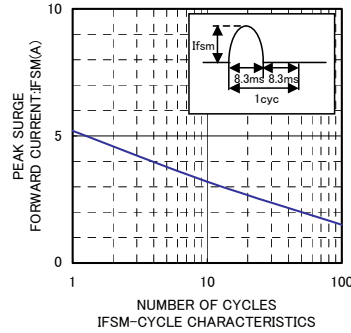
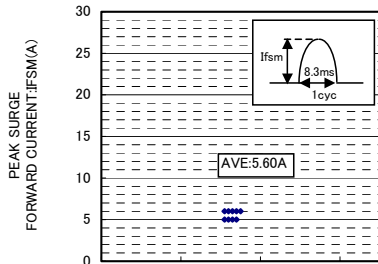
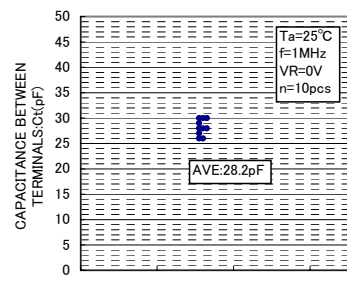
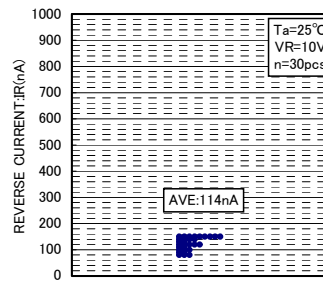
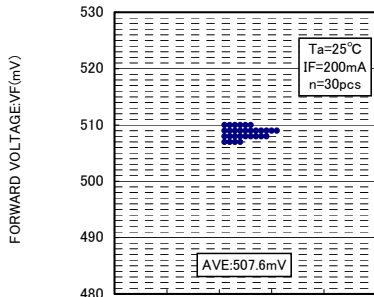
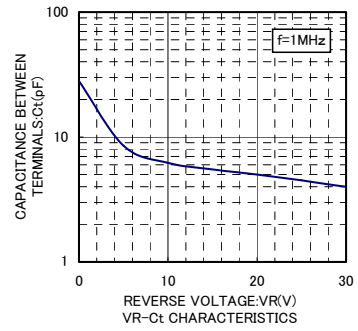
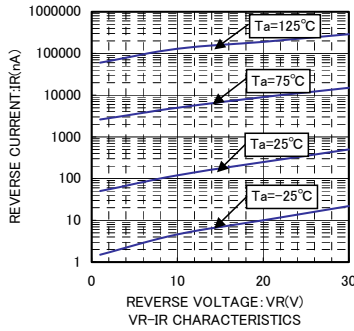
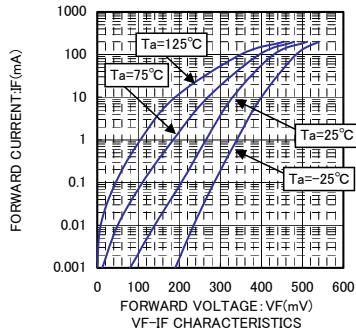
Parameter	Symbol	Limits	Unit
Reverse voltage (DC)	V_R	30	V
Average rectified forward current	I_o	200	mA
Forward current surge peak (60Hz·1cyc)	I_{FSM}	1	A
Junction temperature	T_j	150	°C
Storage temperature	T_{stg}	-40 to +125	°C

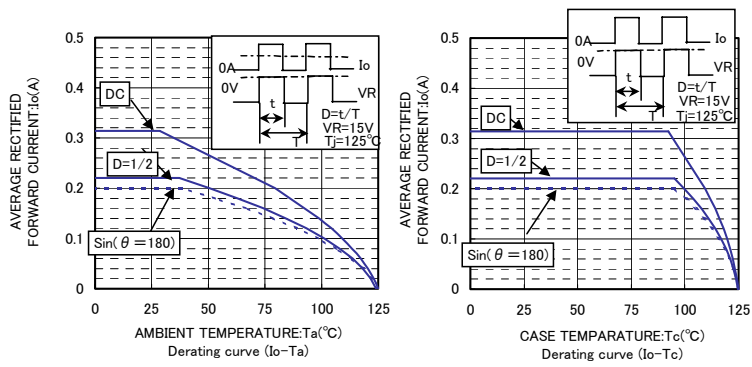
● **Electrical characteristics (Ta=25°C)**

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V_F	-	-	0.6	V	$I_F=200mA$
Reverse current	I_R	-	-	1	μA	$V_R=10V$



●Electrical characteristic curves (Ta=25°C)





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