

●Series

Standard Fast Recovery

●Application

General rectification

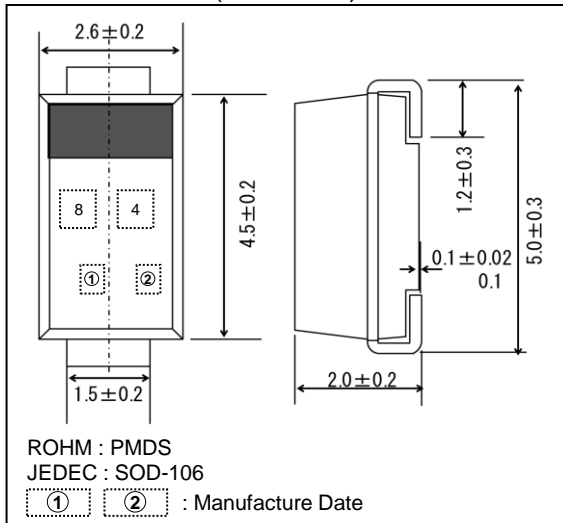
●Features

- 1) Low forward voltage
- 2) Low switching loss

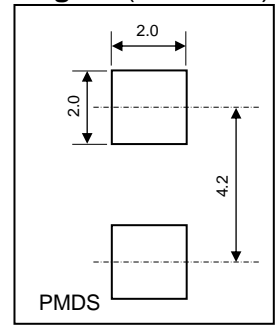
●Construction

Silicon epitaxial planar type

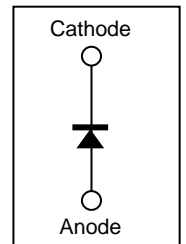
●Dimensions (Unit : mm)



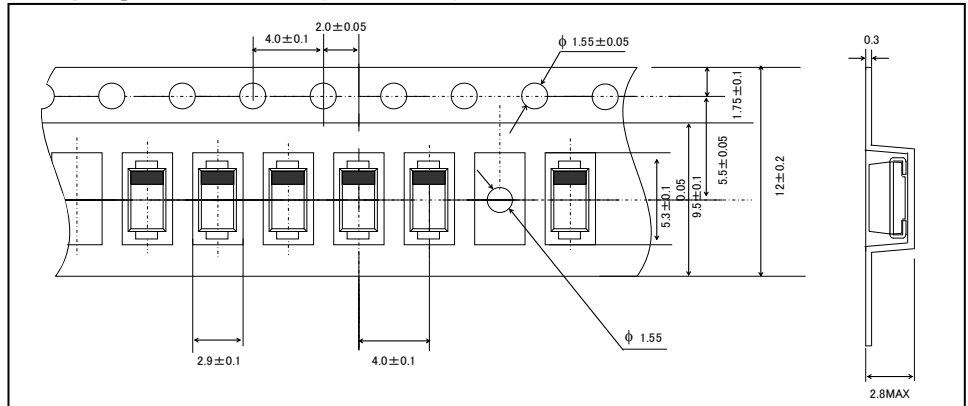
●Land Size Figure (Unit : mm)



●Structure



●Taping Dimensions (Unit : mm)



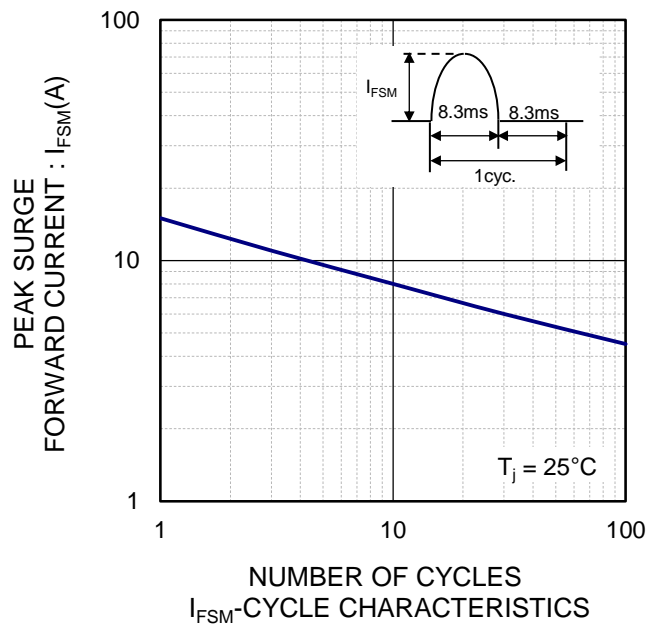
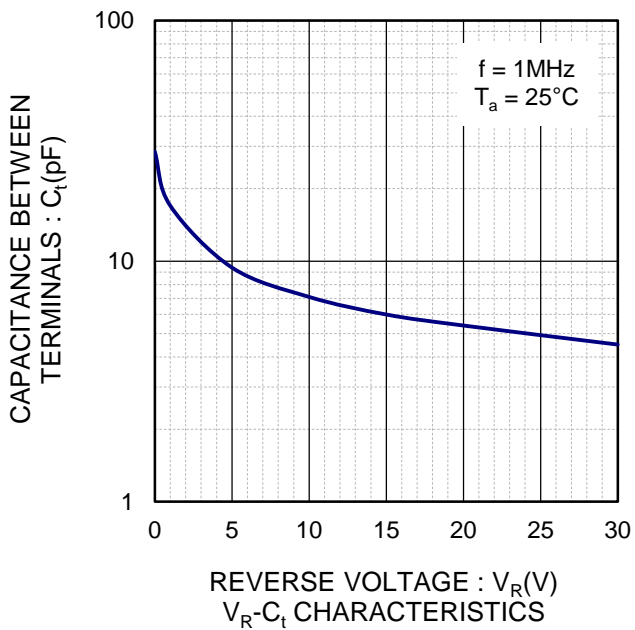
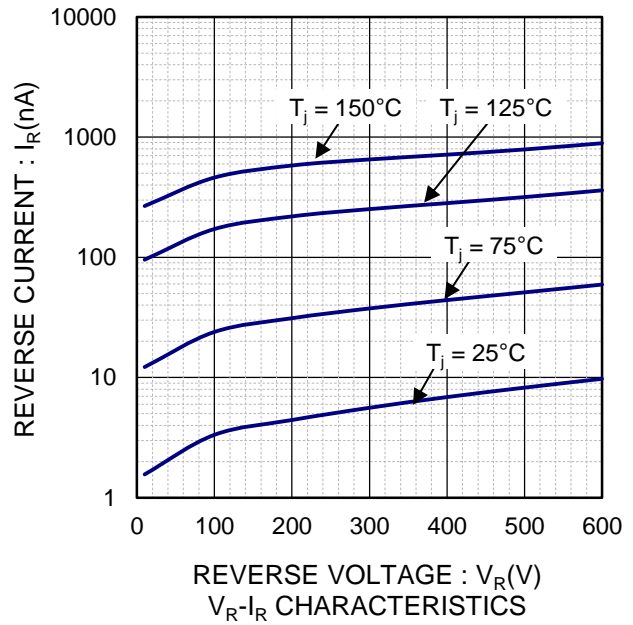
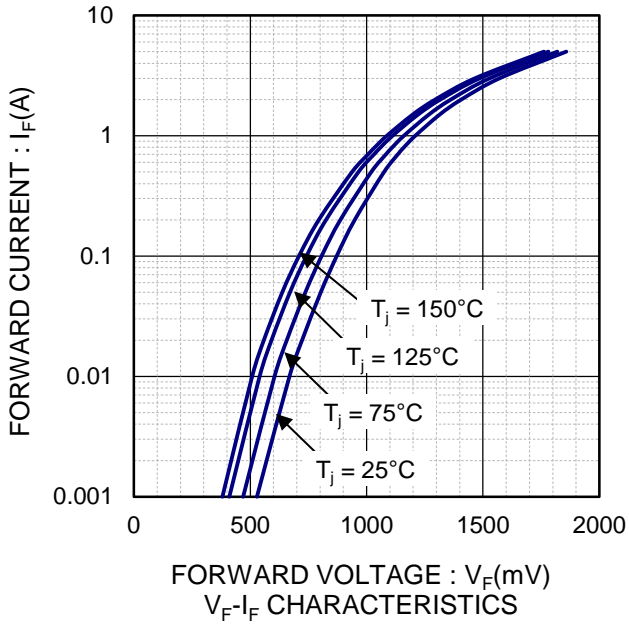
●Absolute Maximum Ratings (T<sub>J</sub>= 25°C)

Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V <sub>RM</sub>	Duty ≤ 0.5	600	V
Reverse voltage	V <sub>R</sub>	Direct voltage	600	V
Average current	I <sub>o</sub>	On glass epoxy substrate, 60Hz half sin wave, Resistive load	T <sub>J</sub> =115°C 0.8	A
Non-repetitive forward surge current	I <sub>FSM</sub>	60Hz half sin wave, Non-repetitive at T <sub>J</sub> =25°C	15	A
Operating junction temperature	T <sub>j</sub>	-	150	°C
Storage temperature	T <sub>stg</sub>	-	-55 to +150	°C

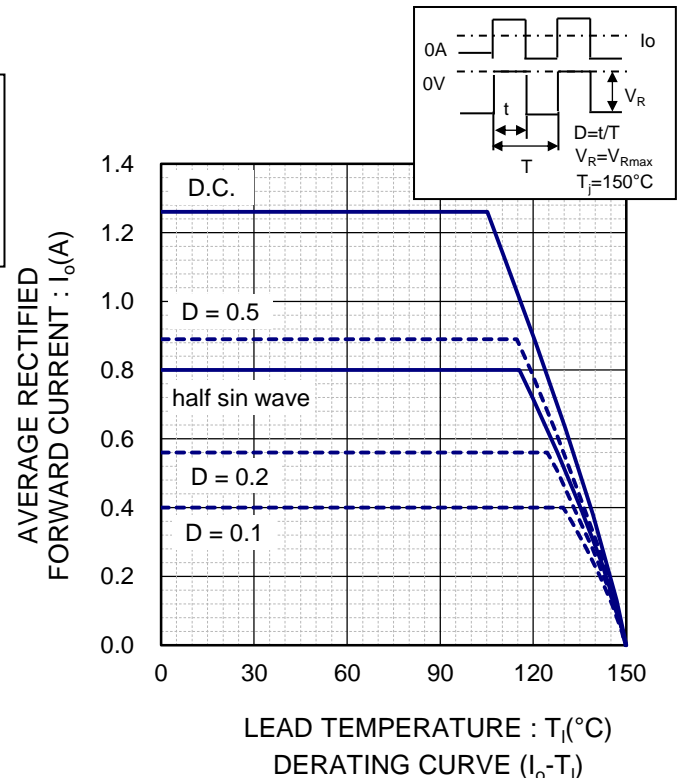
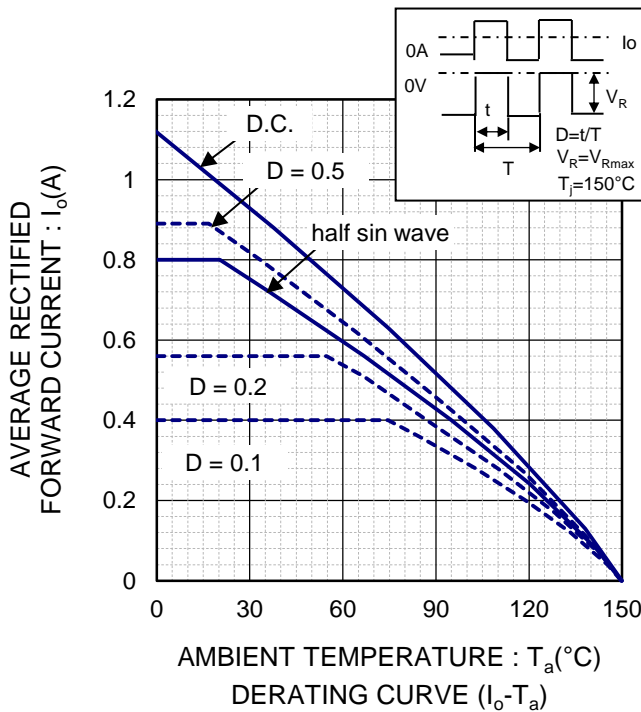
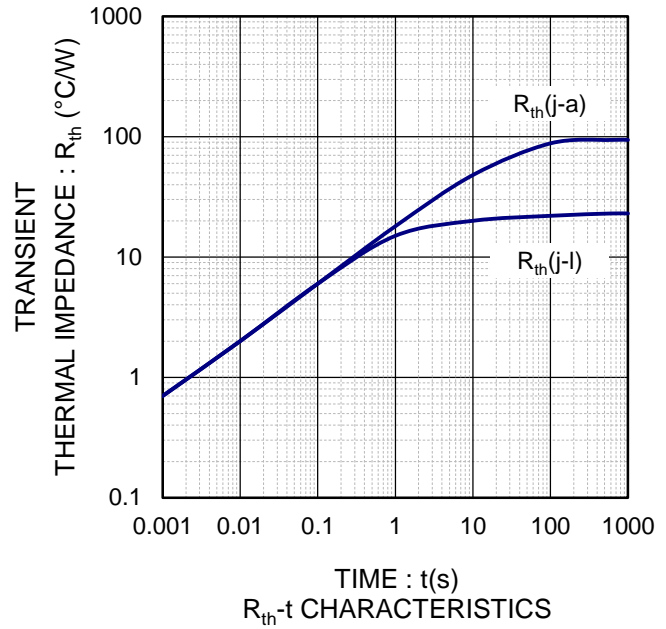
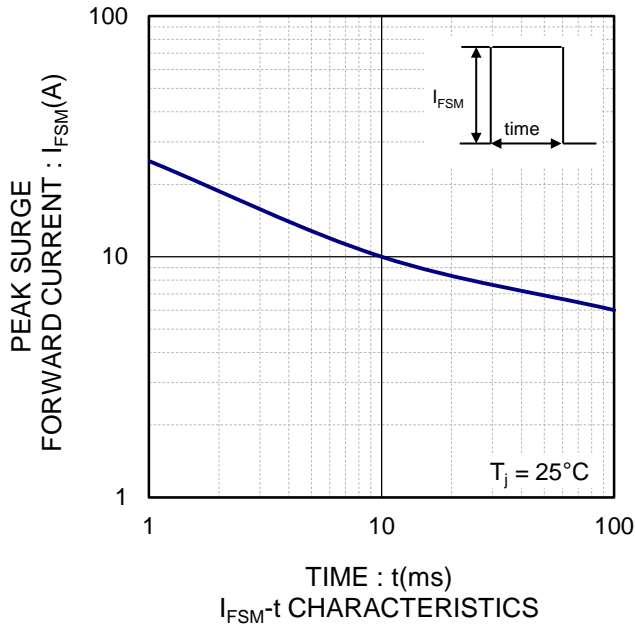
●Electrical Characteristics (T<sub>J</sub>= 25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =0.8A	-	1.15	1.45	V
Reverse current	I <sub>R</sub>	V <sub>R</sub> =600V	-	0.01	1	μA
Reverse recovery time	trr	I <sub>F</sub> =0.5A, I <sub>R</sub> =1A, I <sub>rr</sub> =0.25×I <sub>R</sub>	-	25	35	ns
Thermal resistance	R <sub>th(j-l)</sub>	Junction to Lead	-	-	23	°C/W

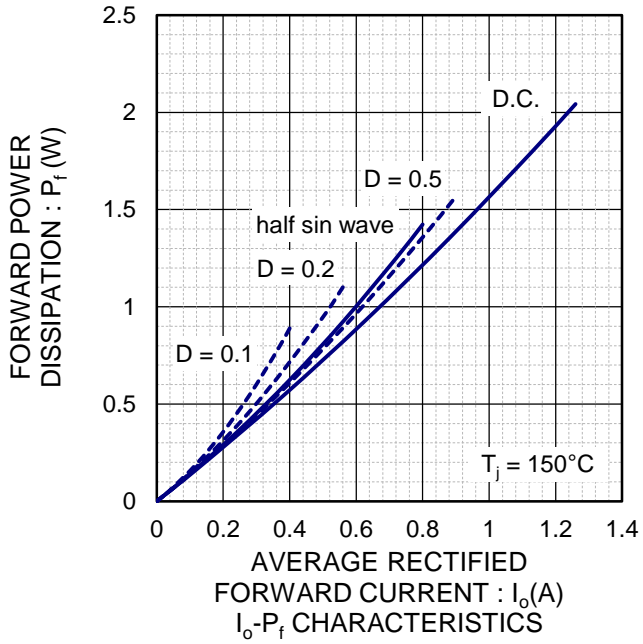
●Electrical Characteristic Curves



●Electrical characteristic curves



●Electrical characteristic curves



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