

●Serise

Standard Fast Recovery

●Application

General rectification

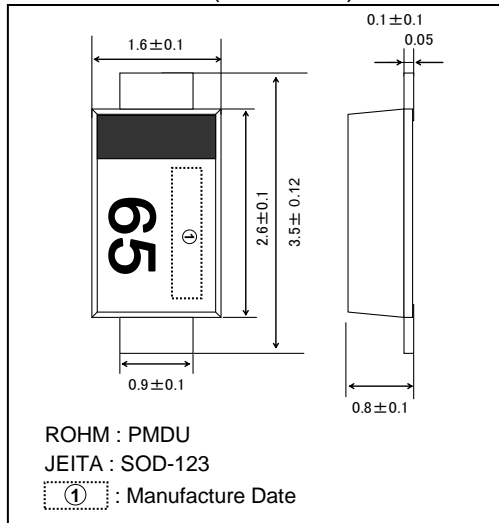
●Features

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

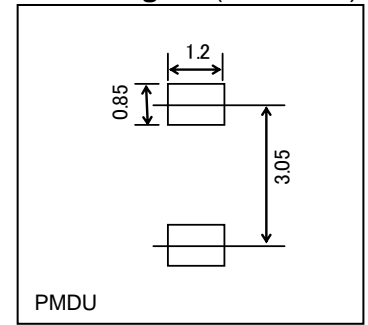
●Construction

Silicon epitaxial planar type

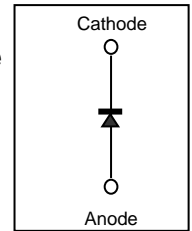
●Dimensions (Unit : mm)



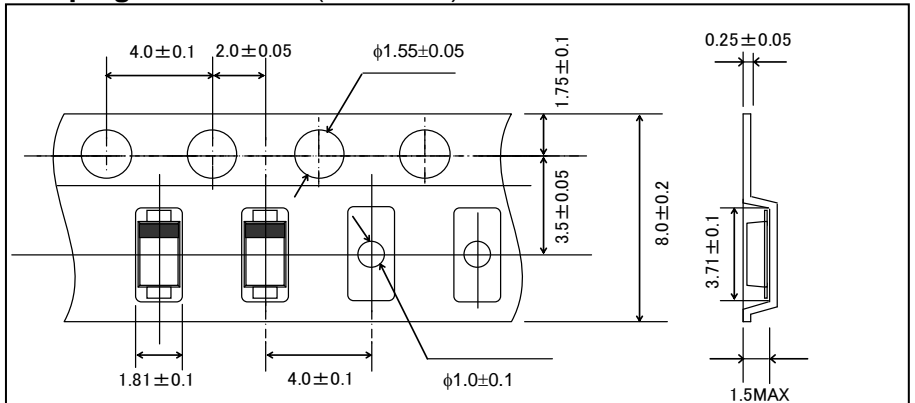
●Land size figure (Unit : mm)



●Structure



●Taping Dimensions (Unit : mm)



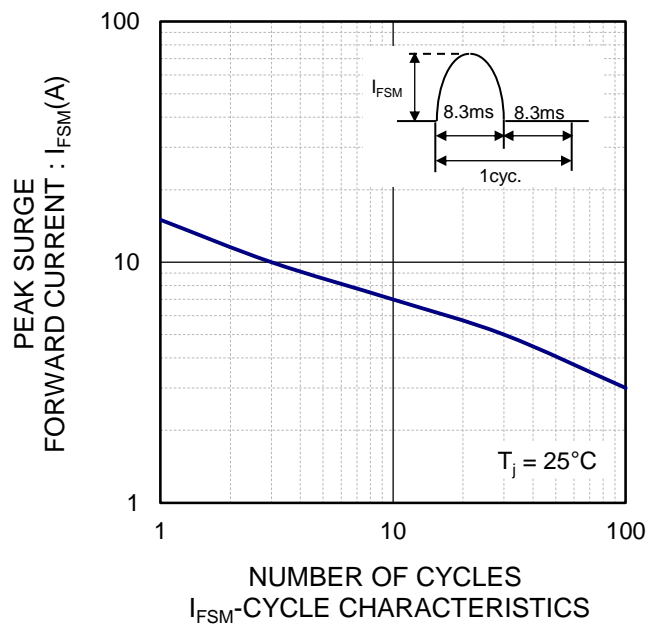
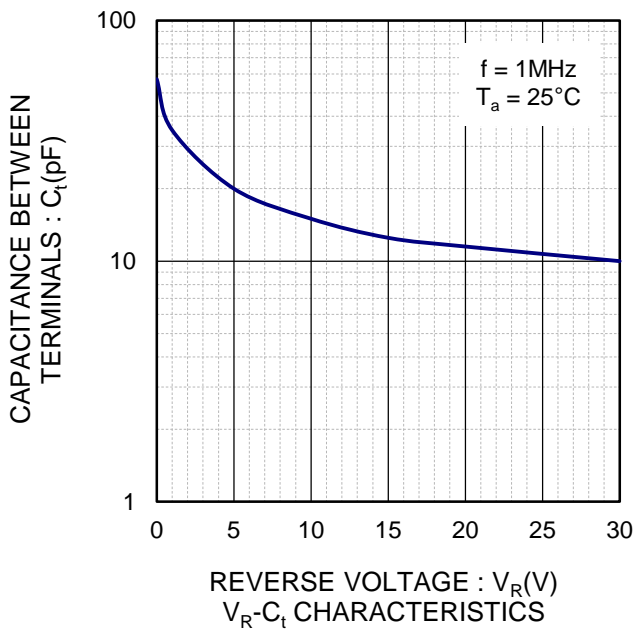
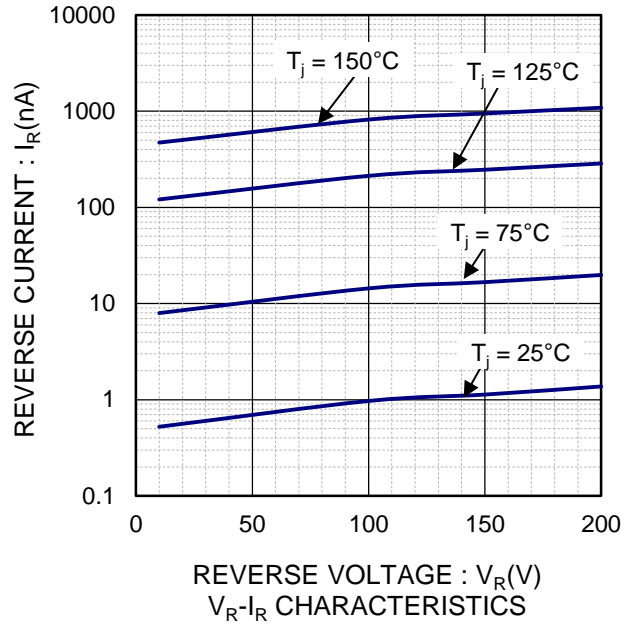
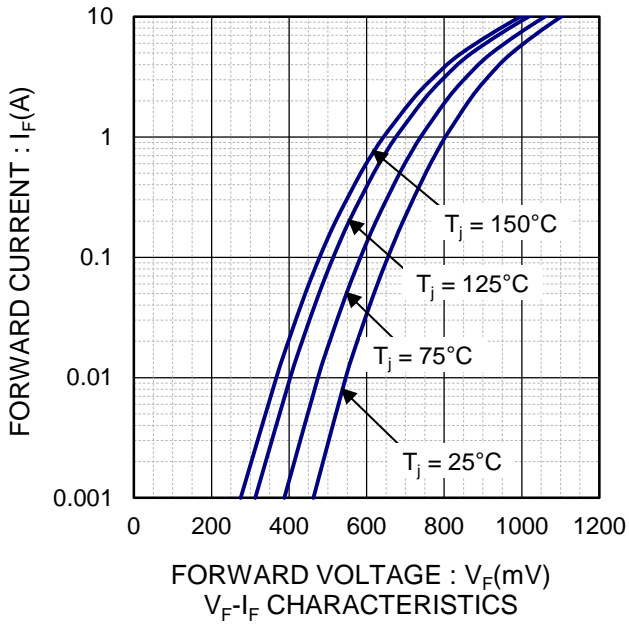
●Absolute maximum ratings (T_a = 25°C)

Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty ≤ 0.5	200	V
Reverse voltage	V _R	Direct reverse voltage	200	V
Average rectified forward current	I _o	On glass epoxy substrate 60Hz half sin wave, Resistive load	0.7	A
Non-repetitive forward surge current	I _{FSM}	60Hz half sin wave, Non-repetitive at T _j = 25°C	15	A
Operating junction temperature	T _j	-	150	°C
Storage temperature	T _{stg}	-	-55 to +150	°C

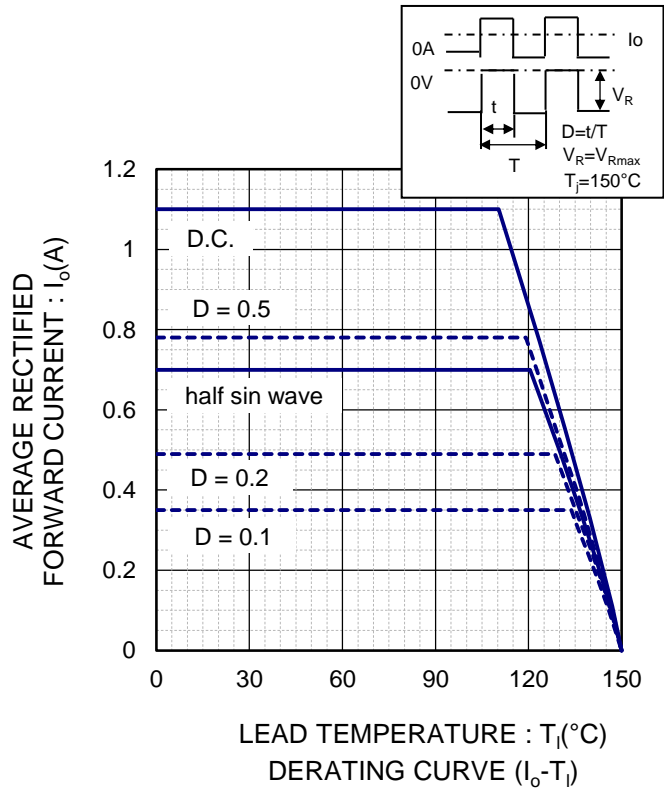
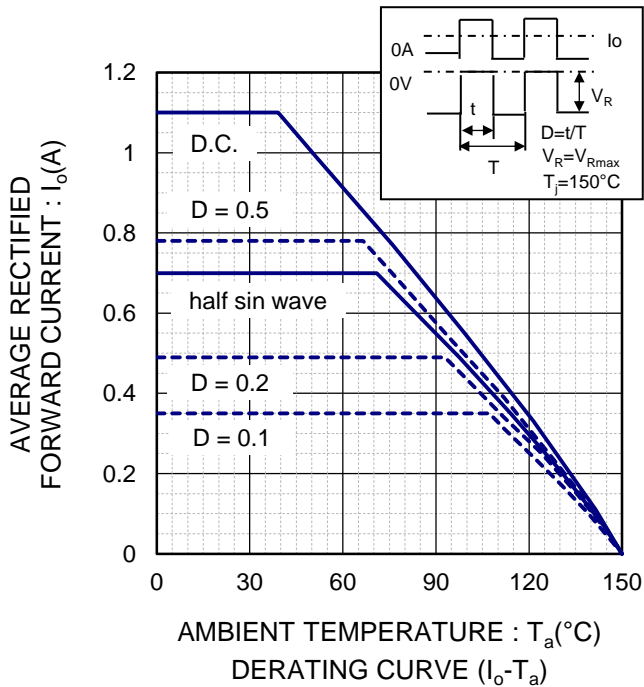
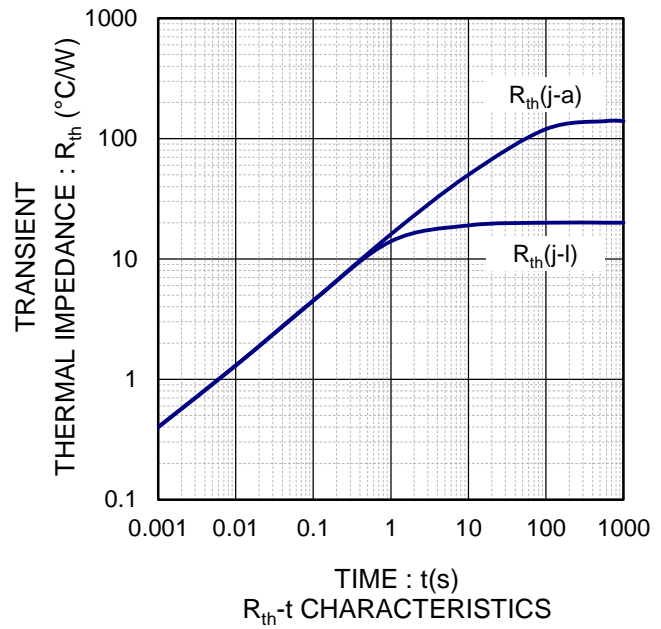
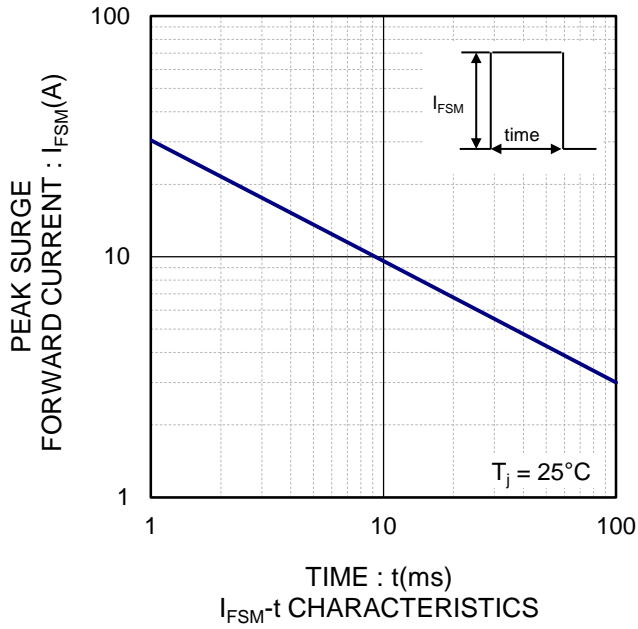
●Electrical characteristics (T_j = 25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F = 0.7A	-	0.78	0.85	V
Reverse current	I _R	V _R = 200V	-	0.01	10	μA
Reverse recovery time	trr	I _F = 0.5A, I _R = 1A, I _{rr} = 0.25 × I _R	-	12	25	ns
Thermal resistance	R _{th(j-l)}	Junction to lead	-	-	20	°C / W

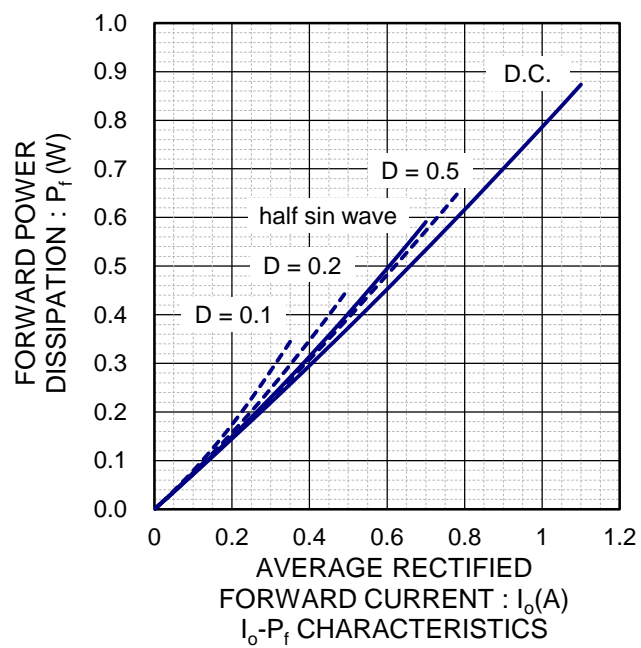
●Electrical characteristic curves



●Electrical characteristic curves



●Electrical characteristic curves



Notes

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