

●Serise

Standard Fast Recovery

●Application

General rectification

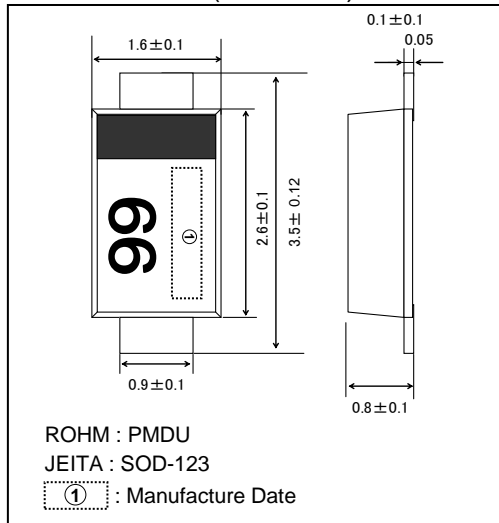
●Features

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

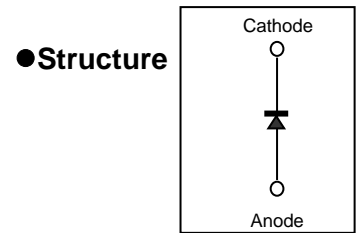
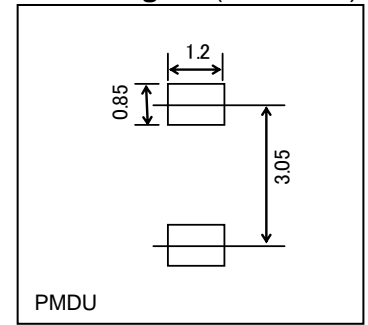
●Construction

Silicon epitaxial planar type

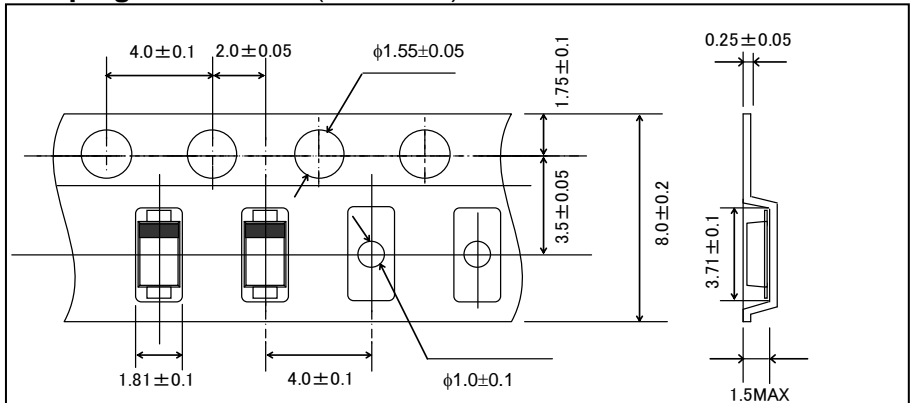
●Dimensions (Unit : mm)



●Land size figure (Unit : mm)



●Taping Dimensions (Unit : mm)



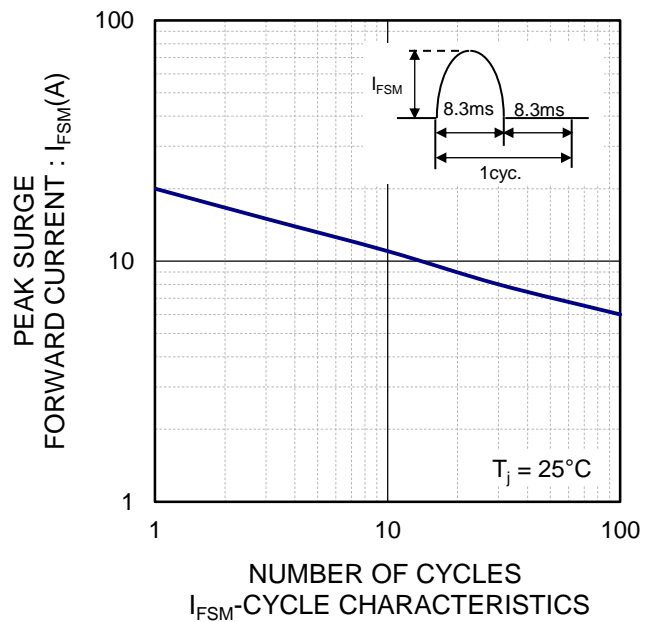
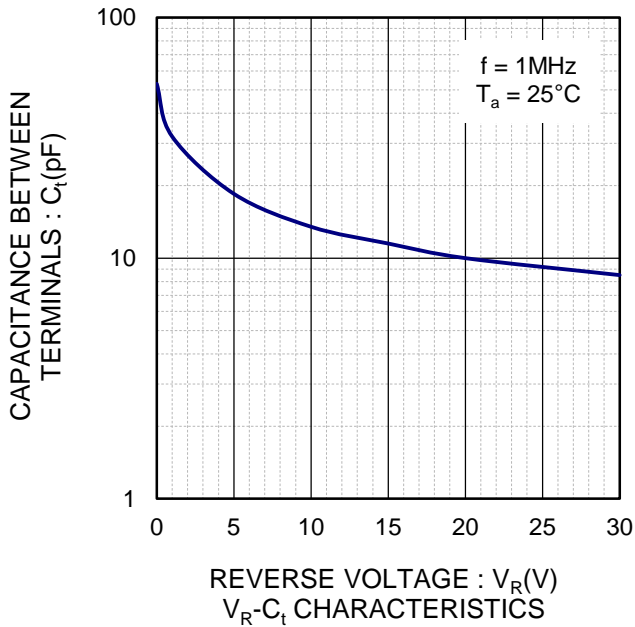
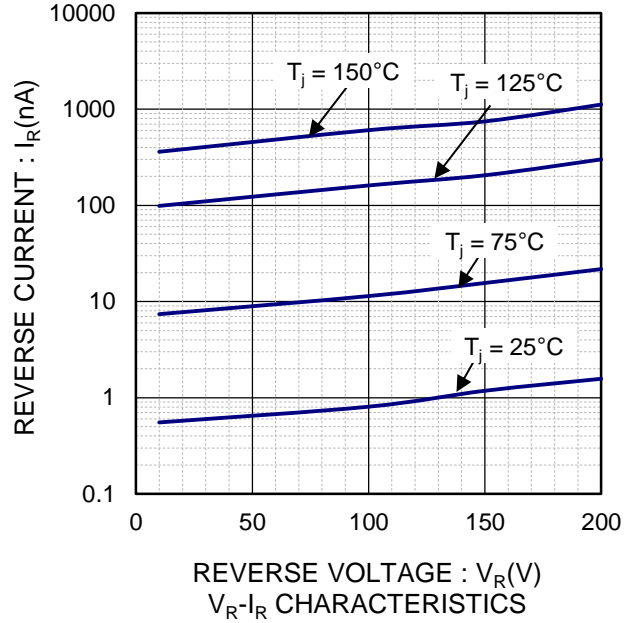
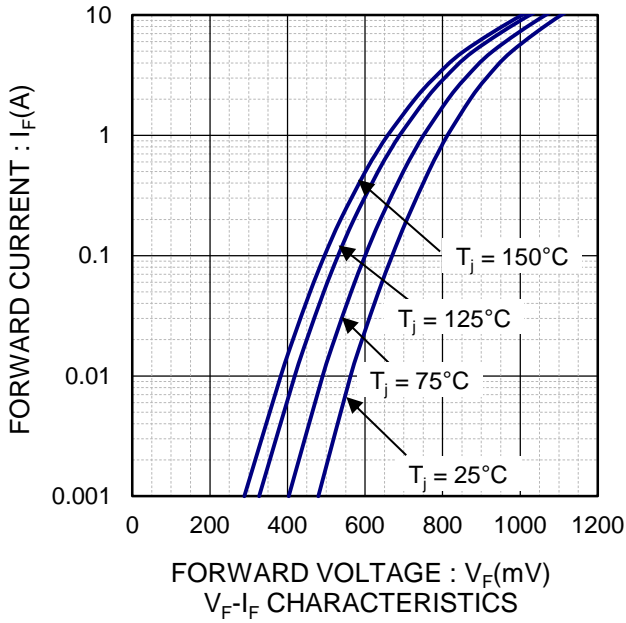
●Absolute maximum ratings (T_a= 25°C)

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	T _a = 45°C	0.8	A
			T _j = 130°C	1	
Non-repetitive forward surge current	I _{FSM}	60Hz half sin wave ,Non-repetitive at T _j =25°C	20	A	
Operating junction temperature	T _j	-	150	°C	
Storage temperature	T _{stg}	-	-55 to +150	°C	

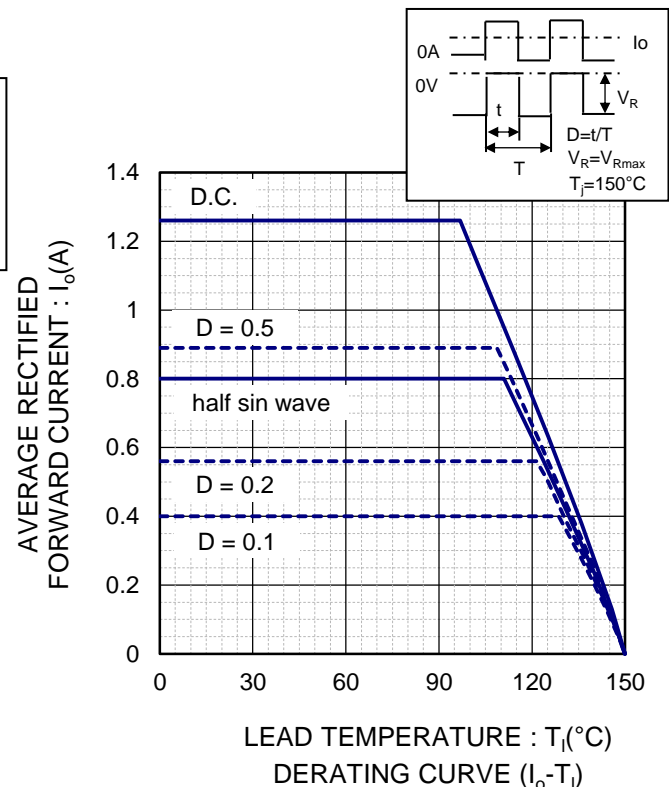
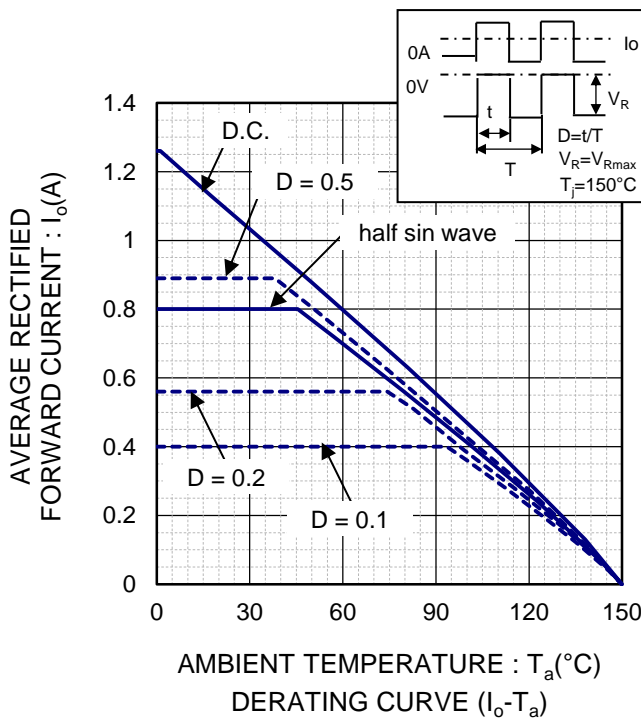
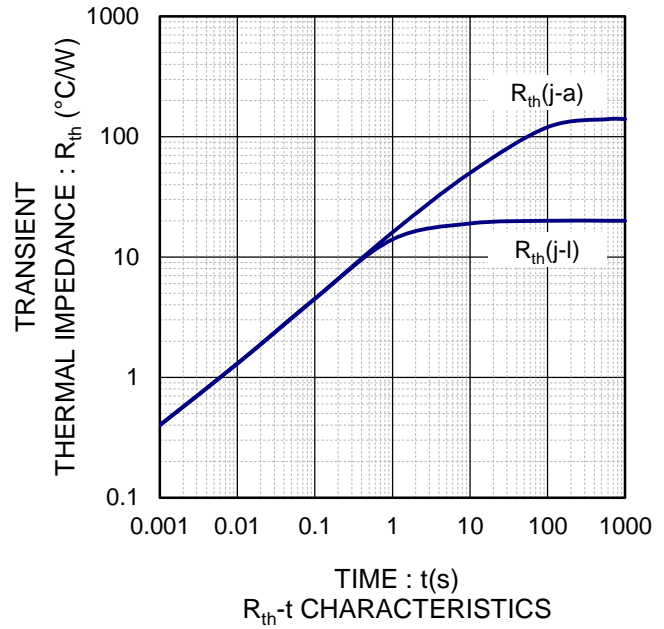
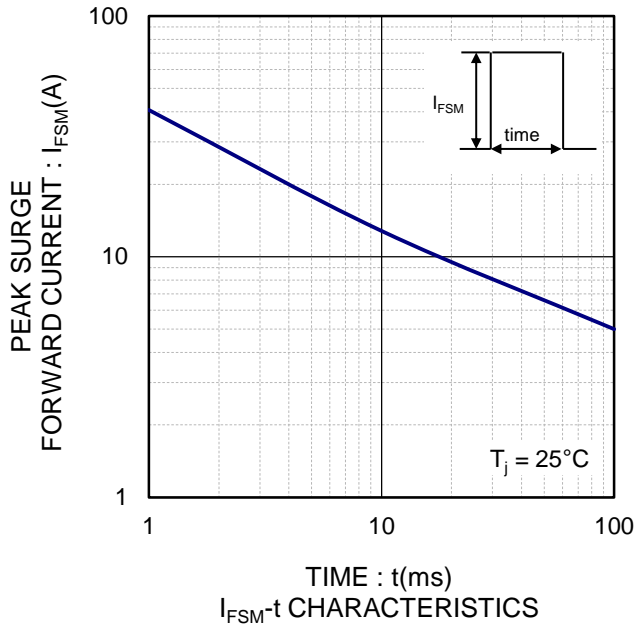
●Electrical characteristics (T_j = 25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F =0.8A	0.75	0.81	0.95	V
		I _F =1A	-	0.82	0.98	
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	-	14	25	ns
Thermal resistance	R _{th(j-l)}	Junction to lead	-	-	20	°C / W

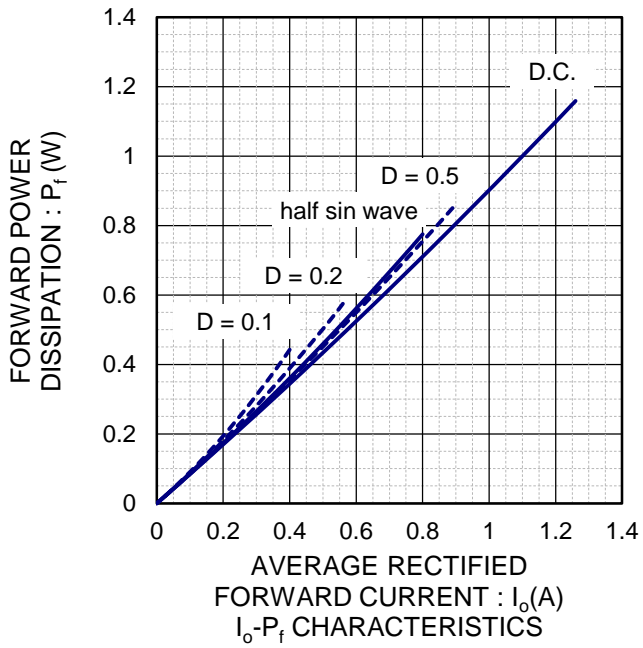
●Electrical characteristic curves



●Electrical characteristic curves



●Electrical characteristic curves



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