

### ●Serise

Standard Fast Recovery

### ●Application

General rectification

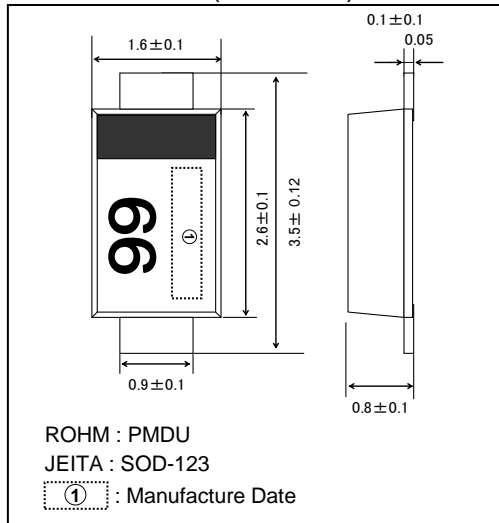
### ●Features

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

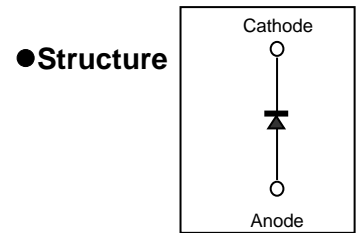
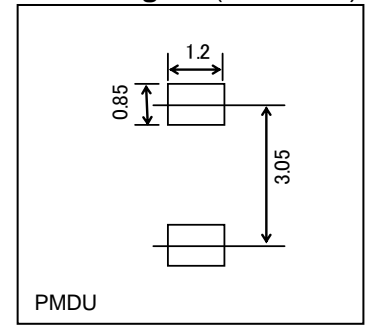
### ●Construction

Silicon epitaxial planar type

### ●Dimensions (Unit : mm)

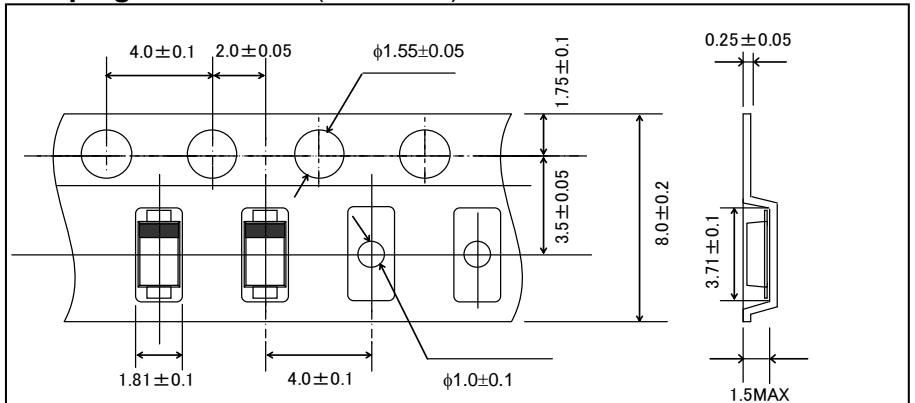


### ●Land size figure (Unit : mm)



### ●Structure

### ●Taping Dimensions (Unit : mm)



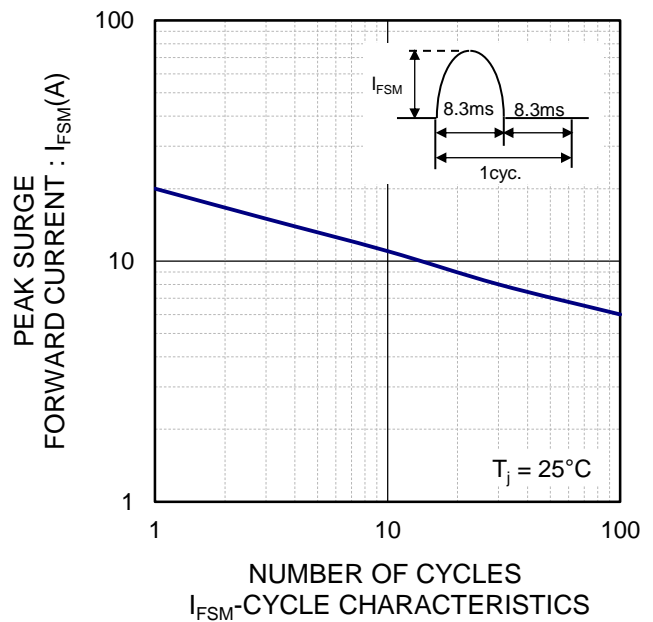
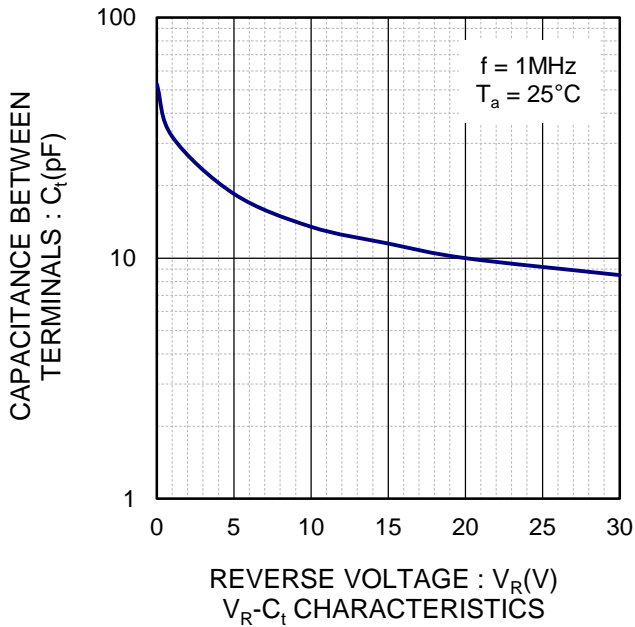
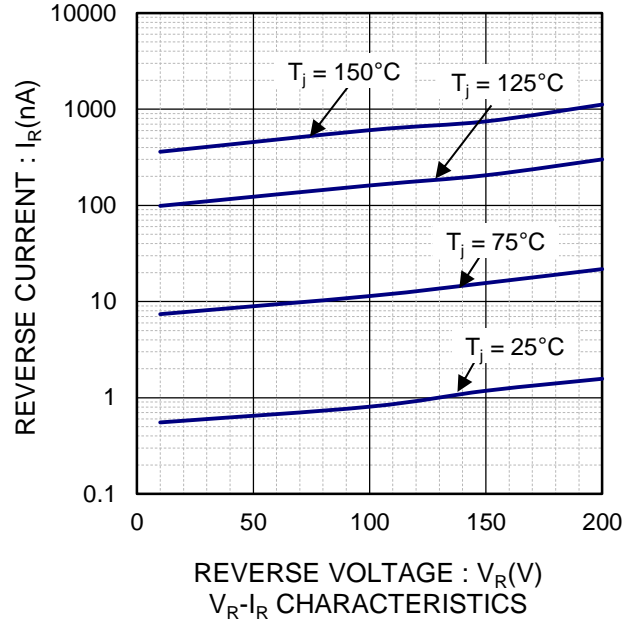
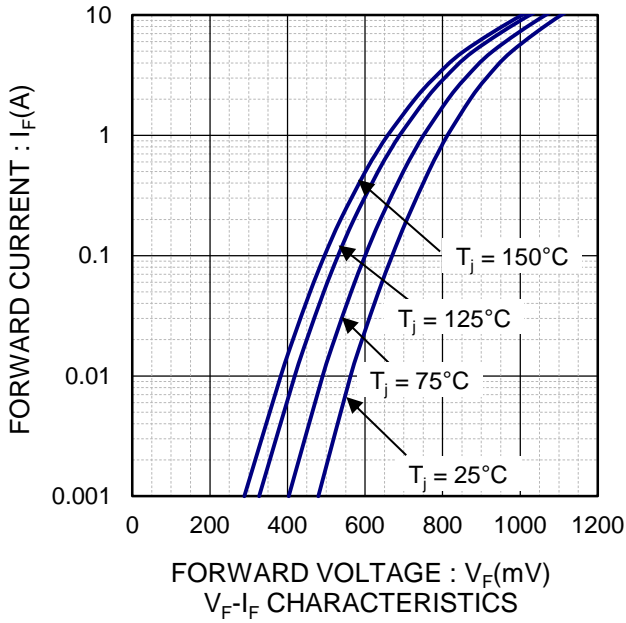
### ●Absolute maximum ratings (T<sub>a</sub>= 25°C)

Parameter	Symbol	Conditions	Limits	Unit	
Repetitive peak reverse voltage	V <sub>RM</sub>	Duty ≤ 0.5	200	V	
Reverse voltage	V <sub>R</sub>	Direct reverse voltage	200	V	
Average rectified forward current	I <sub>o</sub>	On glass epoxy substrate 60Hz half sin wave , Resistive load	T <sub>a</sub> = 45°C	0.8	A
			T <sub>j</sub> = 130°C	1	
Non-repetitive forward surge current	I <sub>FSM</sub>	60Hz half sin wave ,Non-repetitive at T <sub>j</sub> =25°C	20	A	
Operating junction temperature	T <sub>j</sub>	-	150	°C	
Storage temperature	T <sub>stg</sub>	-	-55 to +150	°C	

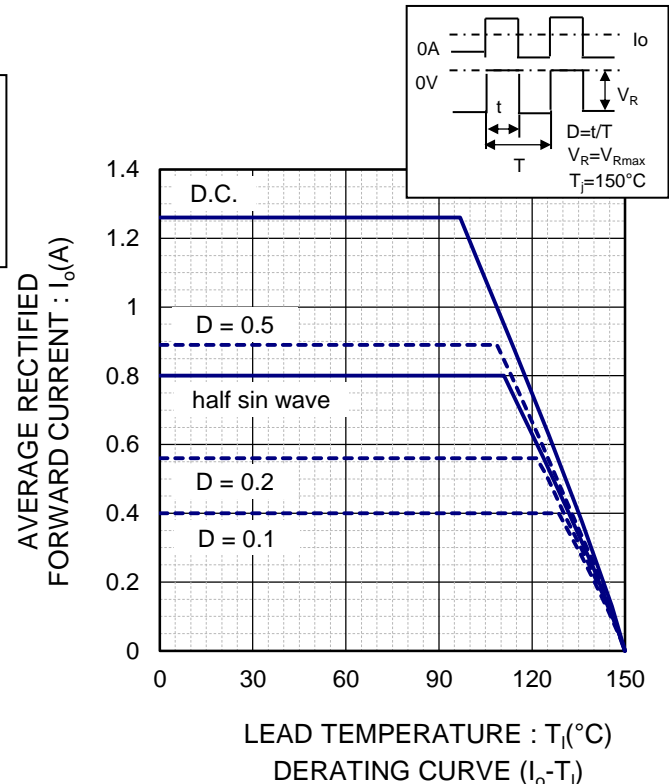
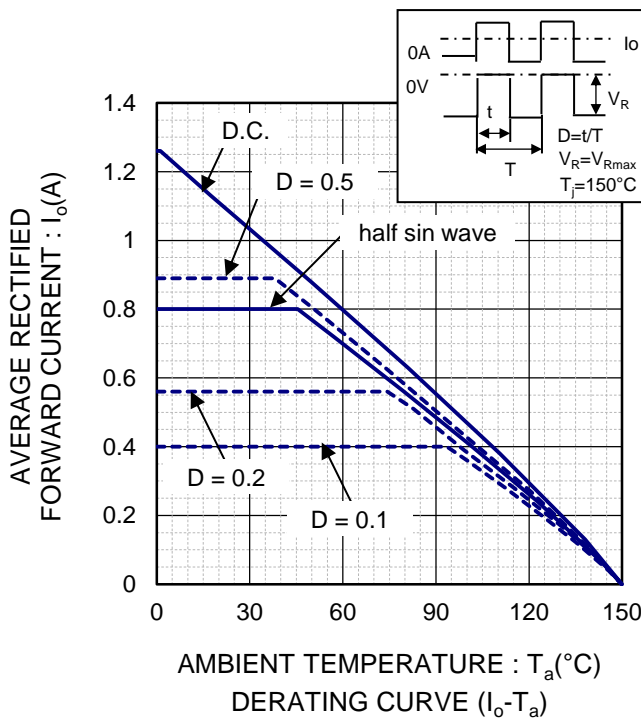
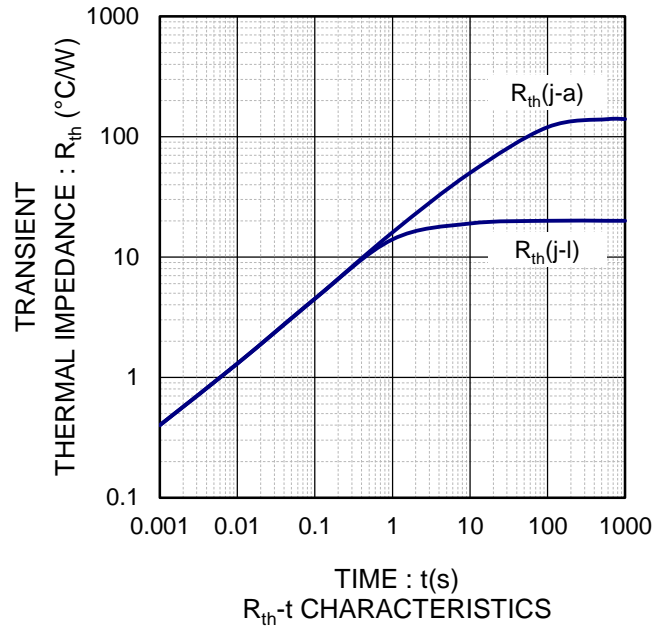
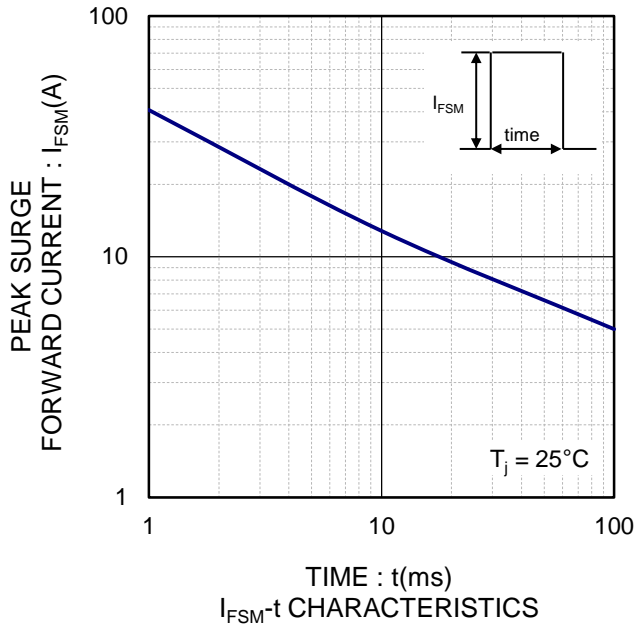
### ●Electrical characteristics (T<sub>j</sub> = 25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V <sub>F</sub>	I <sub>F</sub> =0.8A	-	0.81	0.95	V
		I <sub>F</sub> =1A	-	0.82	0.98	
Reverse current	I <sub>R</sub>	V <sub>R</sub> =200V	-	0.01	10	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>	-	14	25	ns
Thermal resistance	R <sub>th(j-l)</sub>	Junction to lead	-	-	20	°C / W

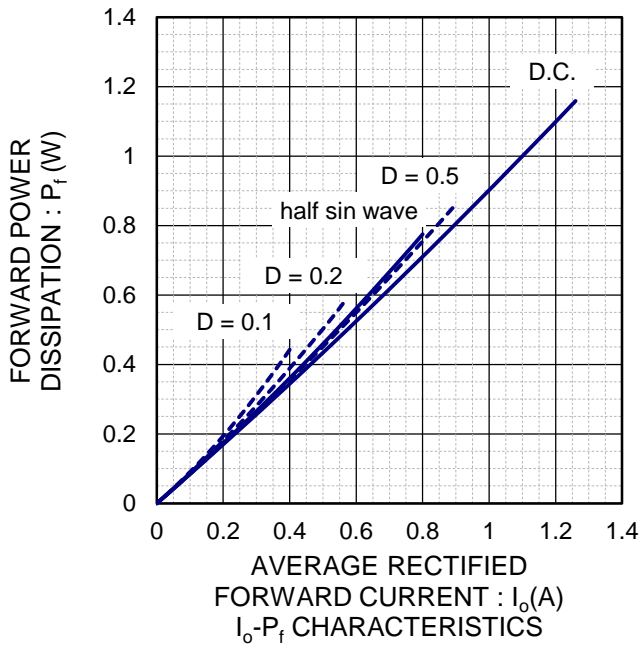
●Electrical characteristic curves



●Electrical characteristic curves



●Electrical characteristic curves



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