

●Series

Standard Rectifier

●Application

General rectification

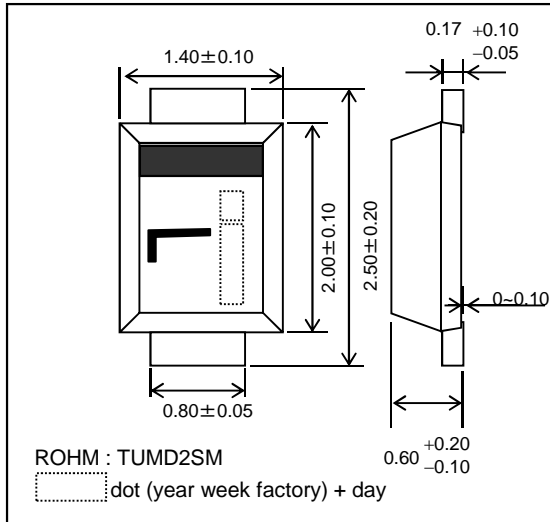
●Features

- 1) Low forward voltage
- 2) Small mold type (TUMD2SM)

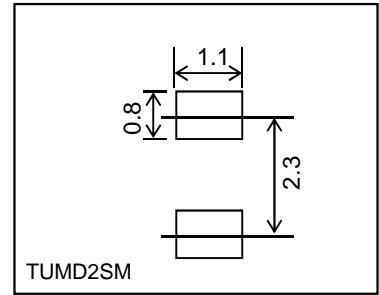
●Construction

Silicon epitaxial planar type

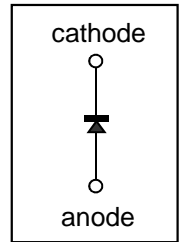
●Dimensions (Unit : mm)



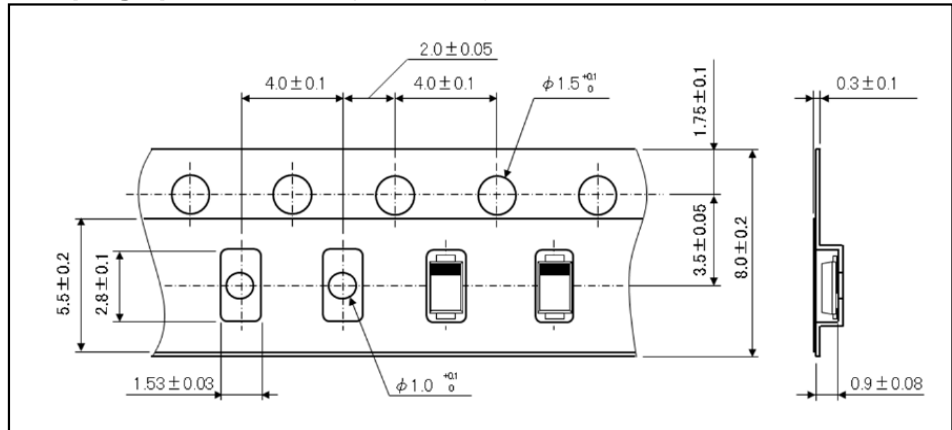
●Land size figure (Unit : mm)



●Structure



●Taping specifications (Unit : mm)



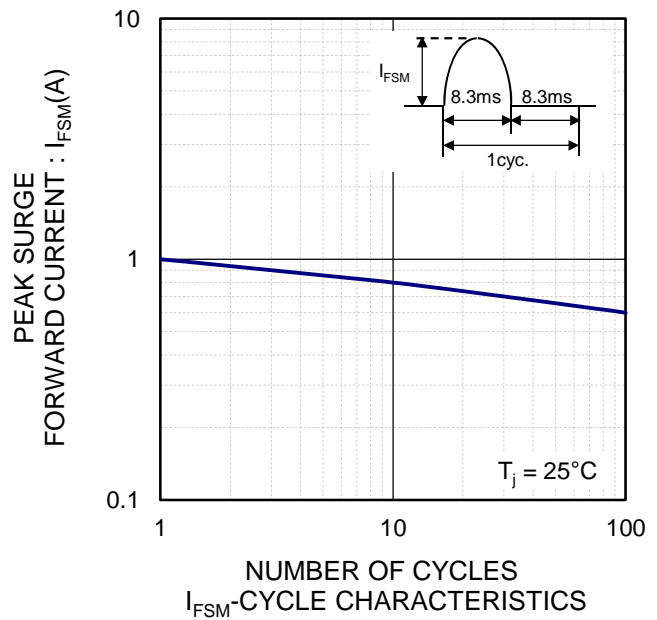
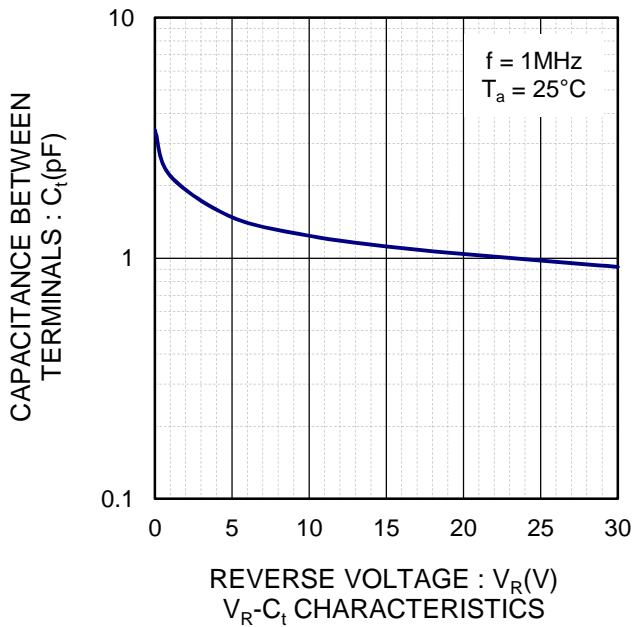
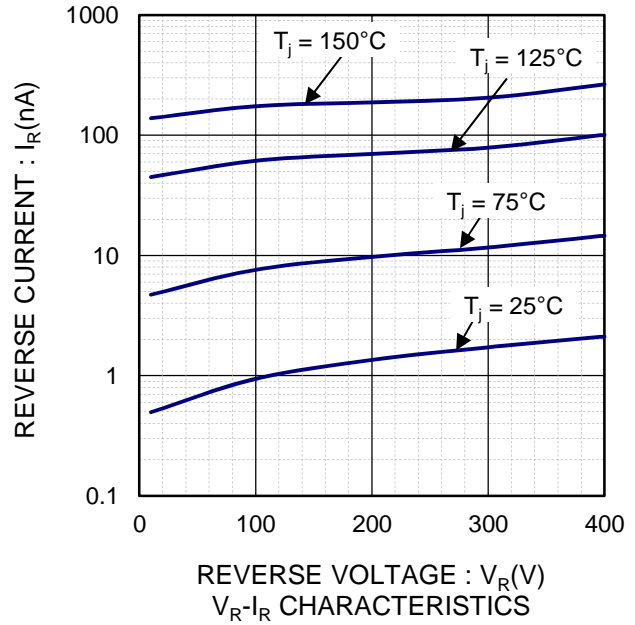
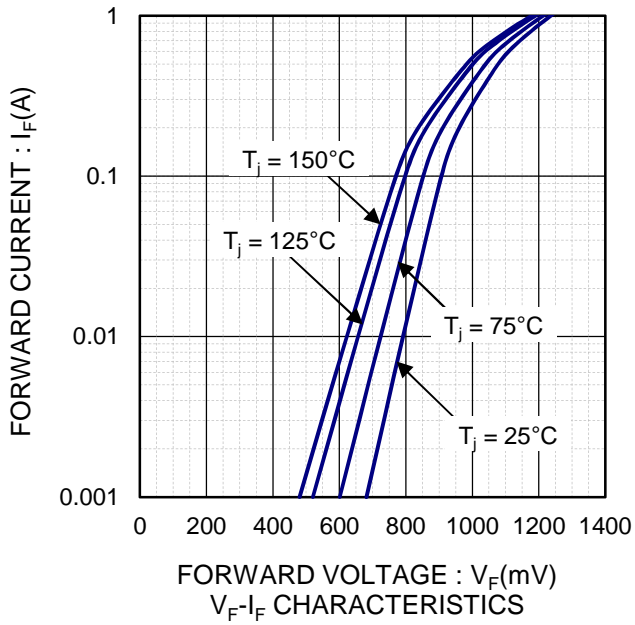
●Absolute maximum ratings ( $T_a = 25^\circ\text{C}$ )

Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	$V_{RM}$	Duty $\leq 0.5$	400	V
Reverse voltage	$V_R$	Direct voltage	400	V
Average current	$I_o$	On glass epoxy substrate, 60Hz half sin wave , Resistive load	0.2	A
Non-repetitive forward surge current	$I_{FSM}$	60Hz half sin wave , Non-repetitive at $T_j=25^\circ\text{C}$	1	A
Operating junction temperature	$T_j$		150	$^\circ\text{C}$
Storage temperature	$T_{stg}$		-55 to +150	$^\circ\text{C}$

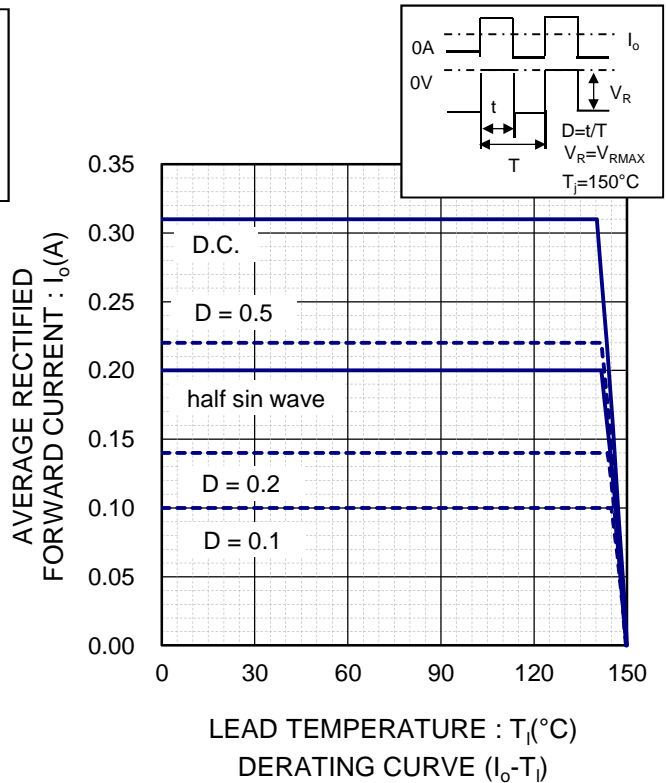
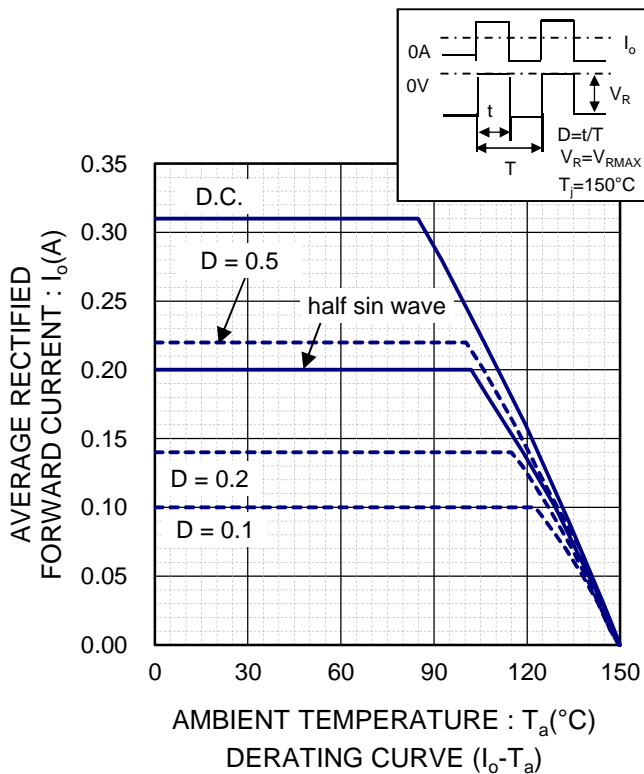
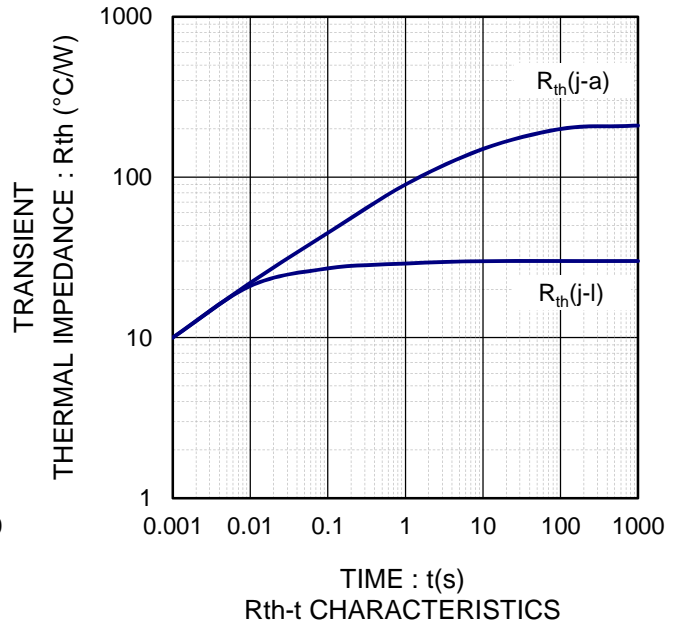
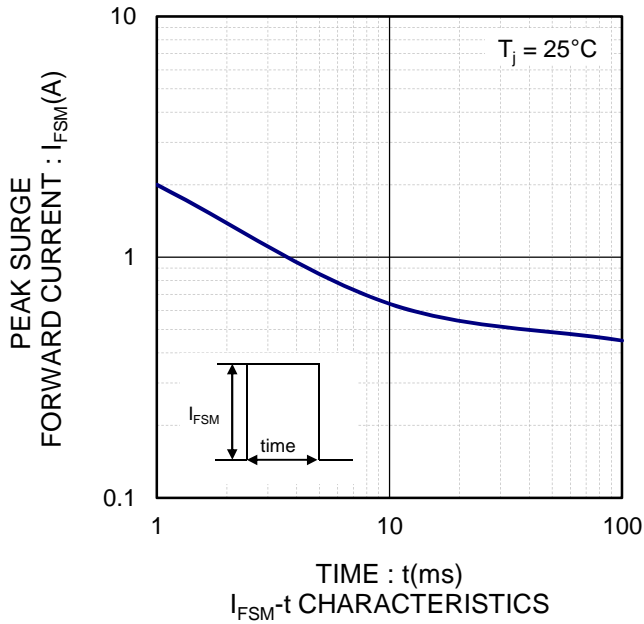
●Electrical characteristics ( $T_j = 25^\circ\text{C}$ )

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	$V_F$	$I_F=0.2\text{A}$	-	0.95	1.1	V
Reverse current	$I_R$	$V_R=400\text{V}$	-	0.01	1	$\mu\text{A}$

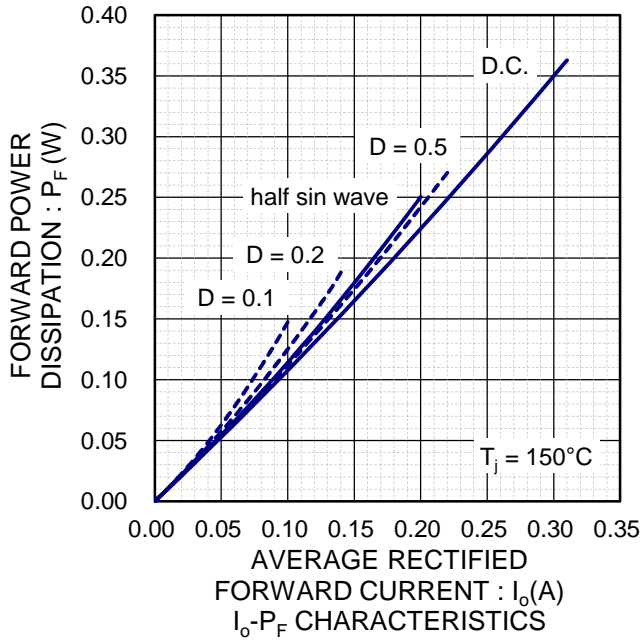
●Electrical characteristic curves



●Electrical characteristic curves



●Electrical characteristic curves



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