

●Serise

Standard Fast Recovery

●Applications

General rectification

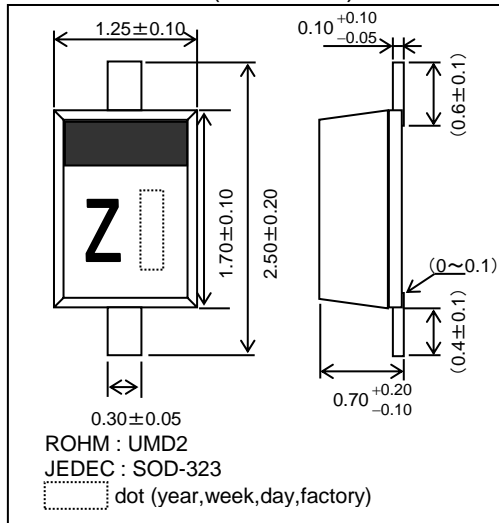
●Features

- 1) Small mold type (UMD2)
- 2) High speed switching

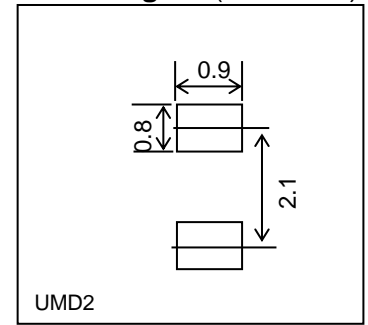
●Construction

Silicon epitaxial planar type

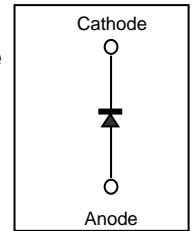
●Dimensions (Unit : mm)



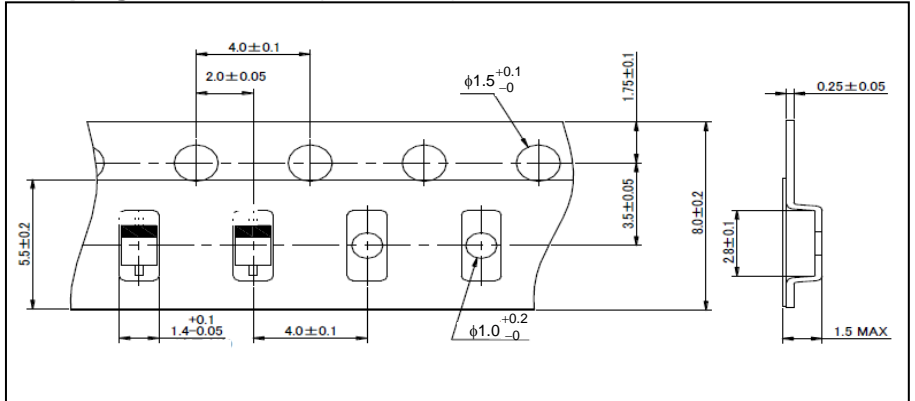
●Land Size Figure (Unit : mm)



●Structure



●Taping Dimensions (Unit : mm)



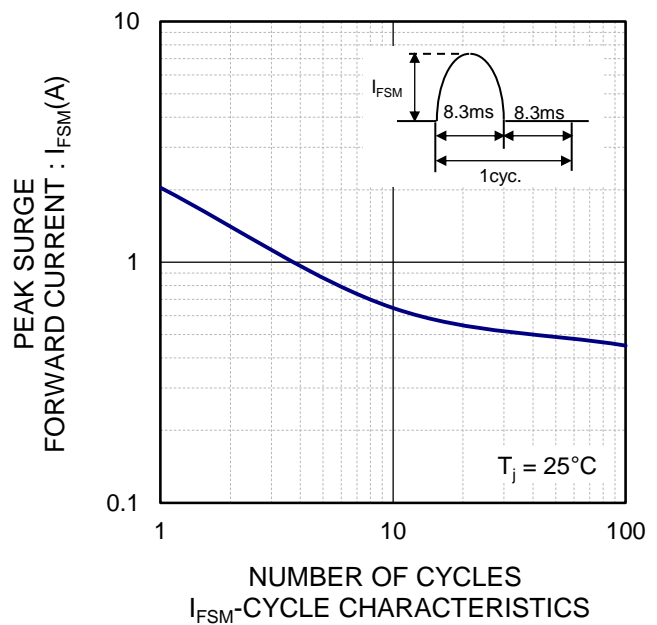
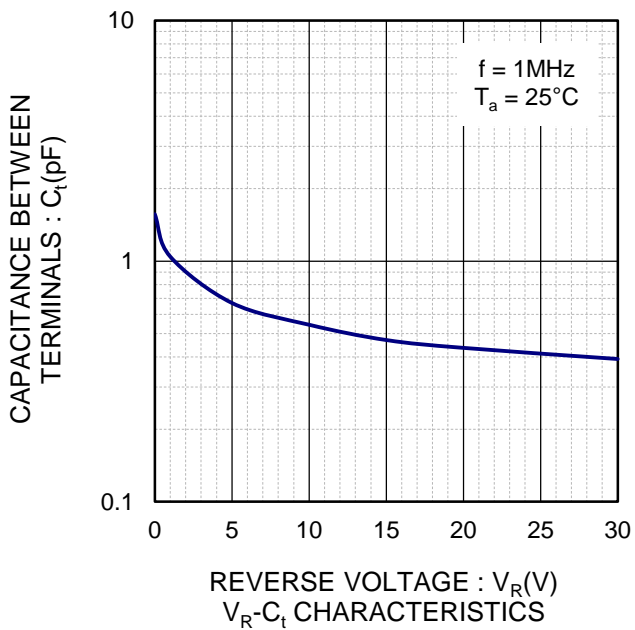
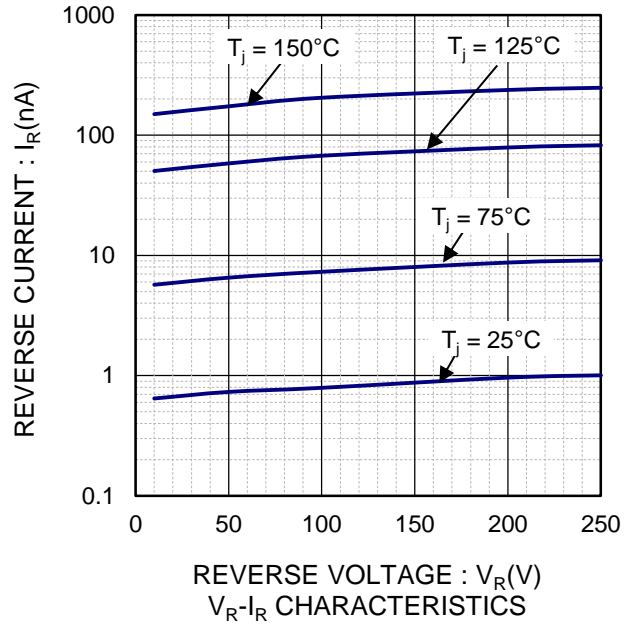
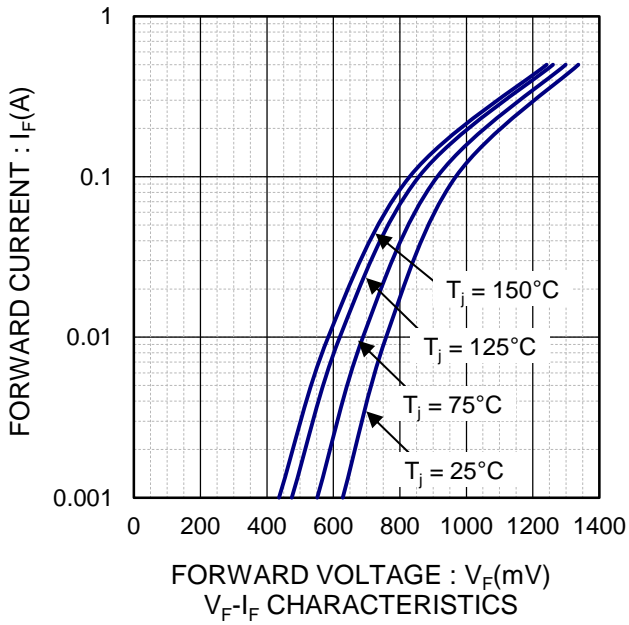
●Absolute Maximum Ratings (T_a= 25°C)

Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V _{RM}	Duty ≤ 0.5	250	V
Reverse voltage	V _R	Direct voltage	250	V
Repetitive peak forward current	I _{FM}	-	300	mA
Average current	I _o	60Hz half sin wave , Resistive load	100	mA
Non-repetitive forward surge current	I _{FSM}	60Hz half sin wave , Non-repetitive at T _j =25°C	1	A
Operating junction temperature	T _j	-	150	°C
Storage temperature	T _{stg}	-	-55 to +150	°C

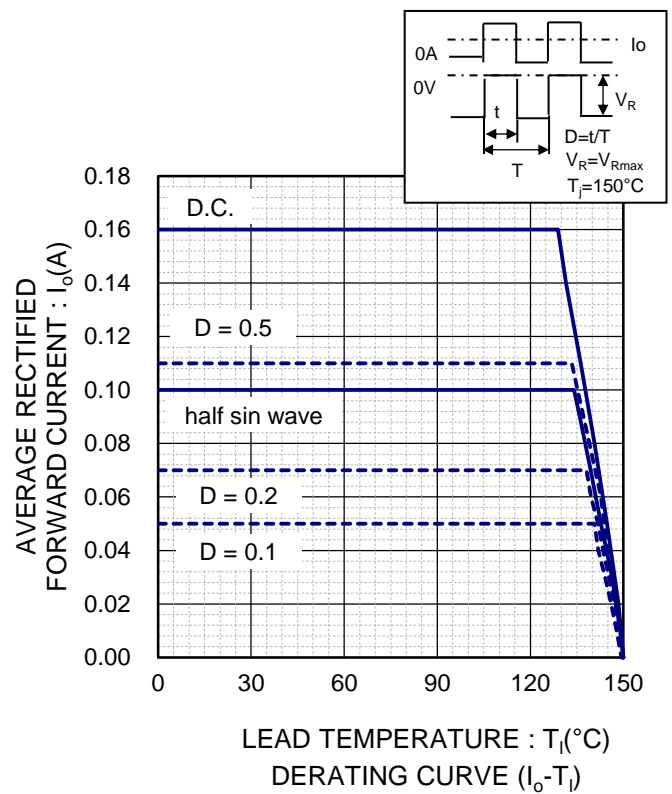
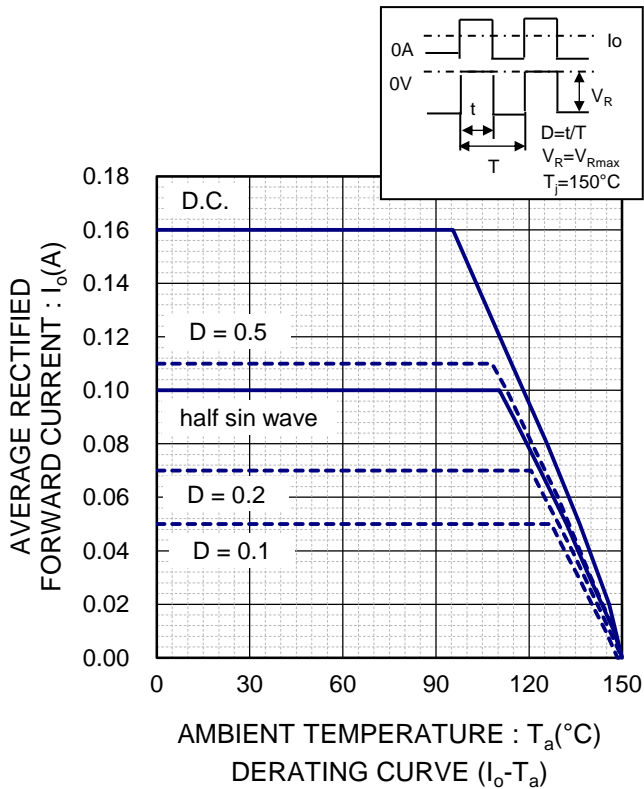
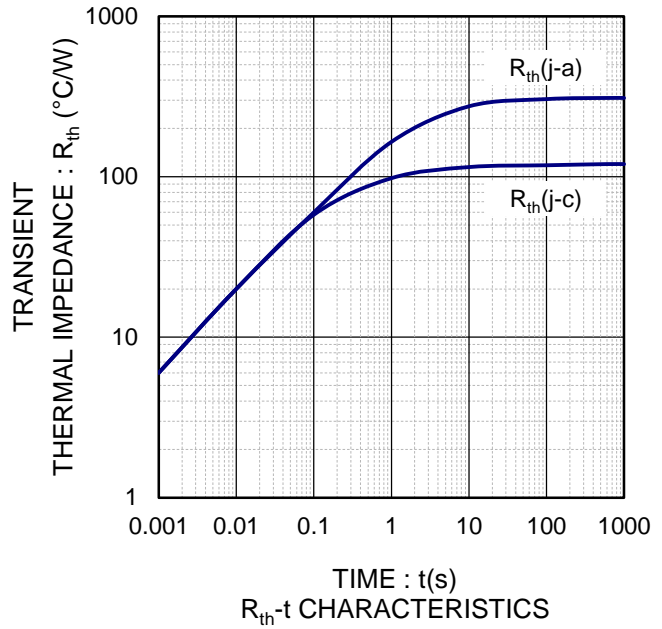
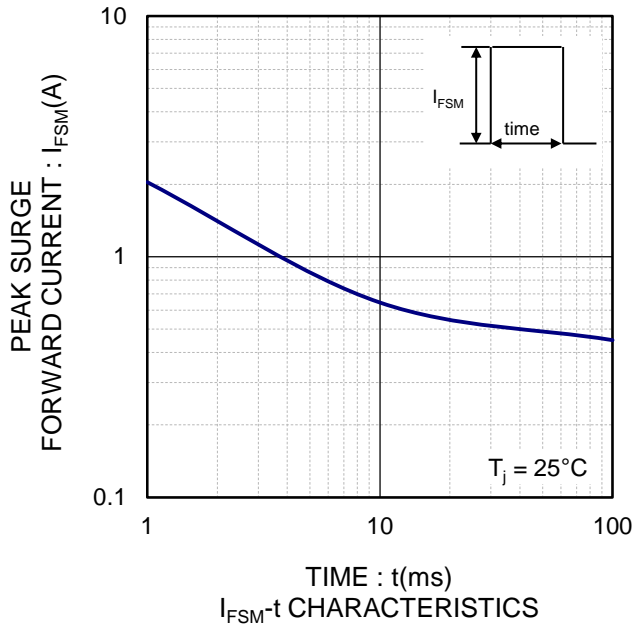
●Electrical Characteristics (T_j = 25°C)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V _F	I _F =100mA	-	1	1.2	V
Reverse current	I _R	V _R =250V	-	0.01	10	μA
Reverse recovery time	trr	V _R =6V, I _F =10mA, R _L =50Ω Irr=0.1×I _R	-	10	50	ns

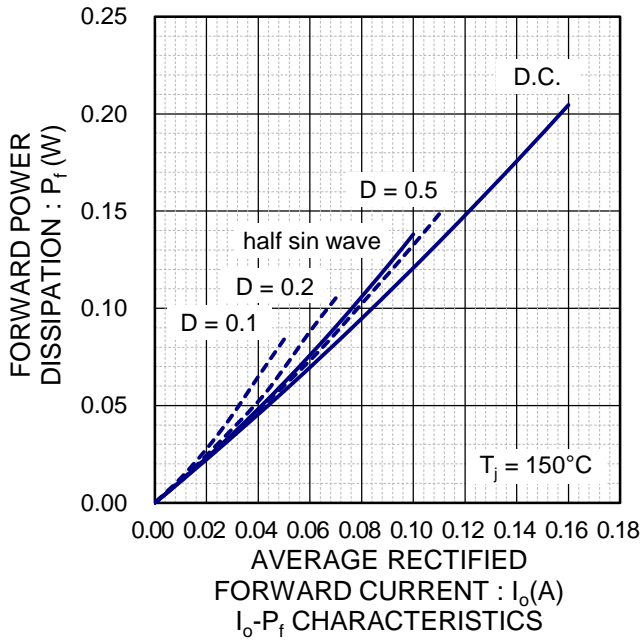
●Electrical Characteristic Curves



●Electrical characteristic curves



●Electrical characteristic curves



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