

### ●Serise

Standard Fast Recovery

### ●Applications

General rectification

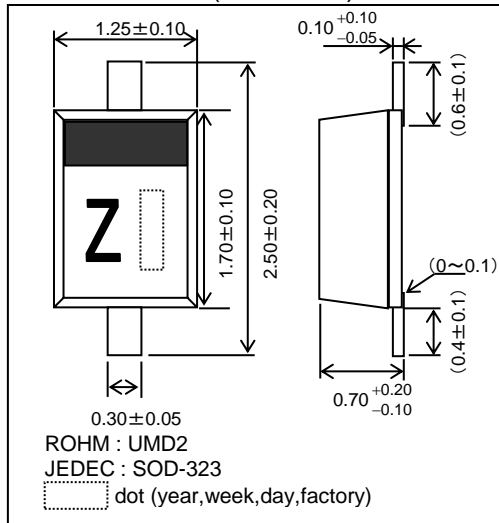
### ●Features

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

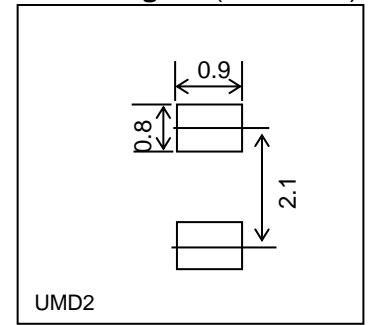
### ●Construction

Silicon epitaxial planar type

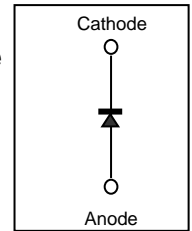
### ●Dimensions (Unit : mm)



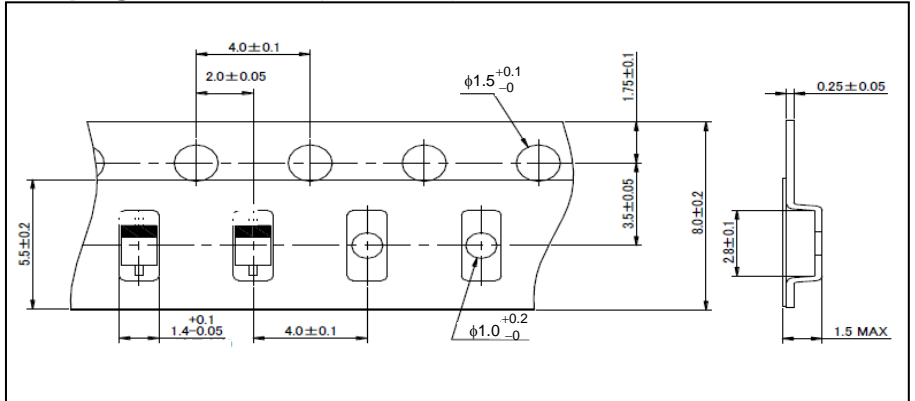
### ●Land Size Figure (Unit : mm)



### ●Structure



### ●Taping Dimensions (Unit : mm)



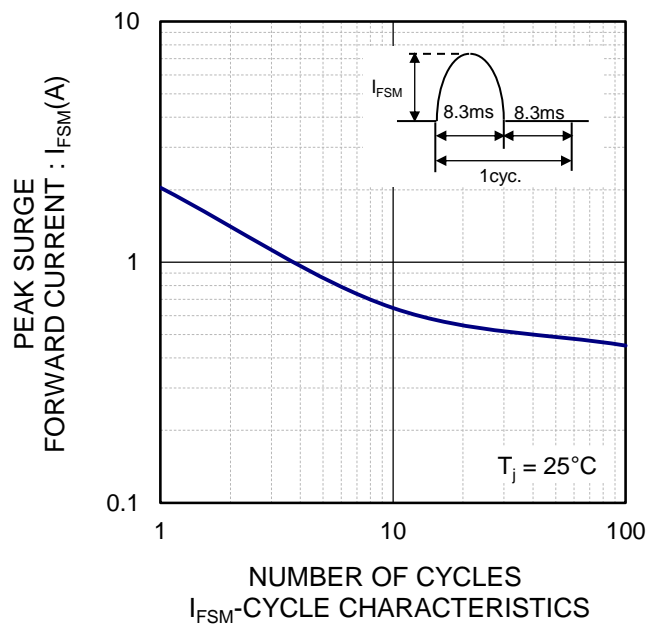
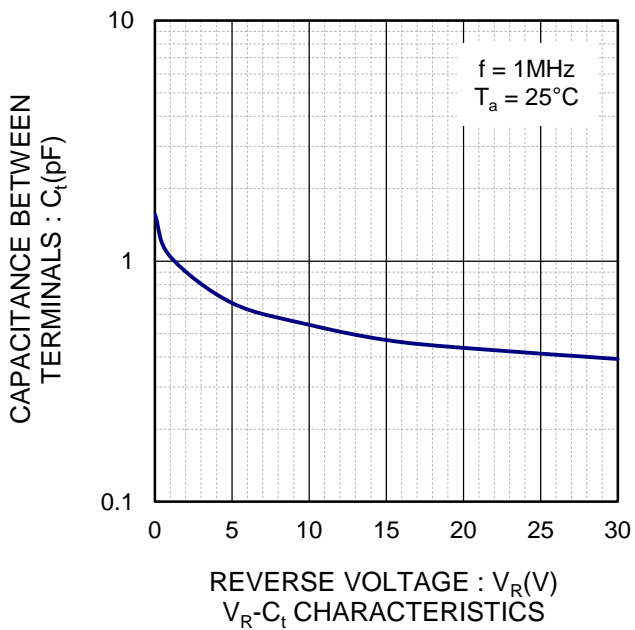
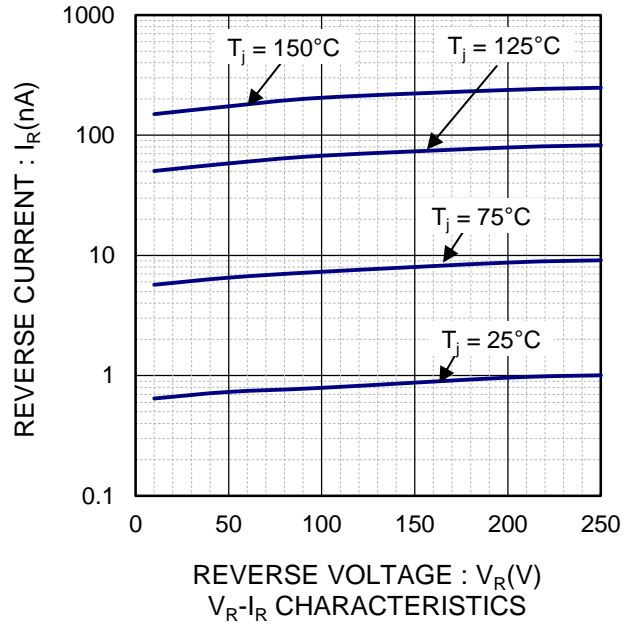
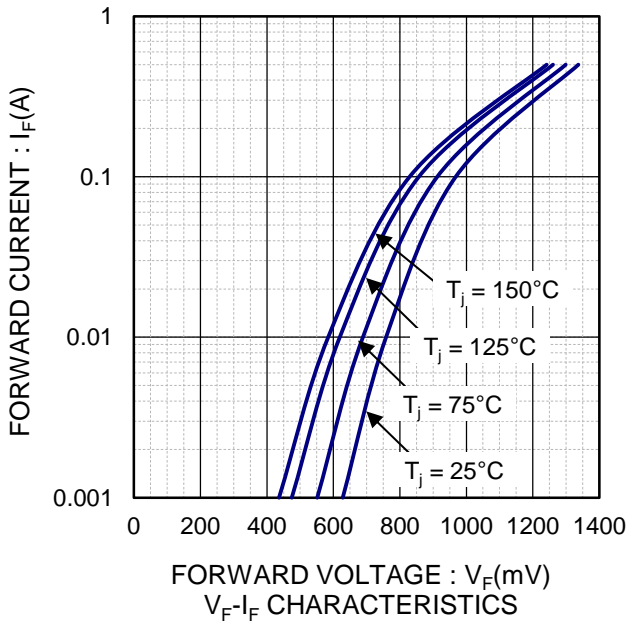
### ●Absolute Maximum Ratings (T<sub>a</sub>= 25°C)

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

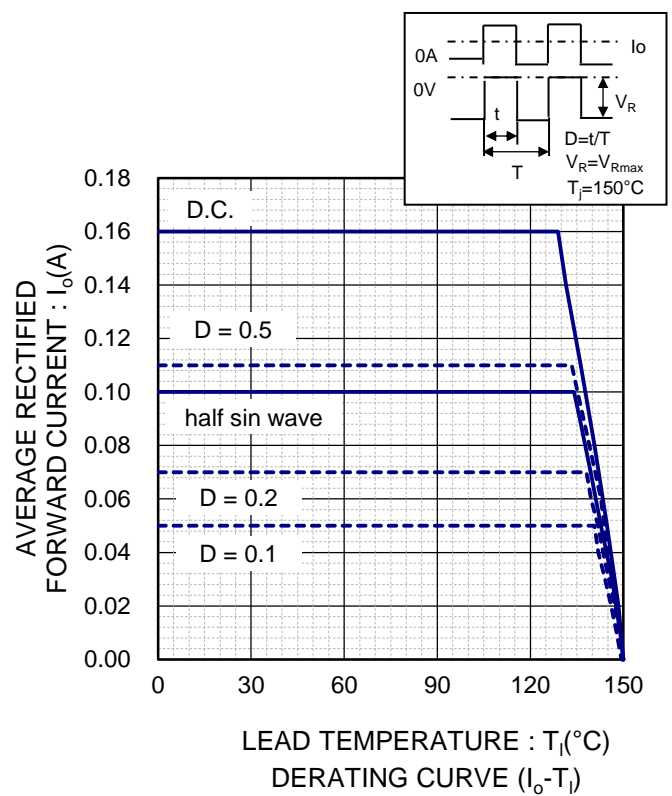
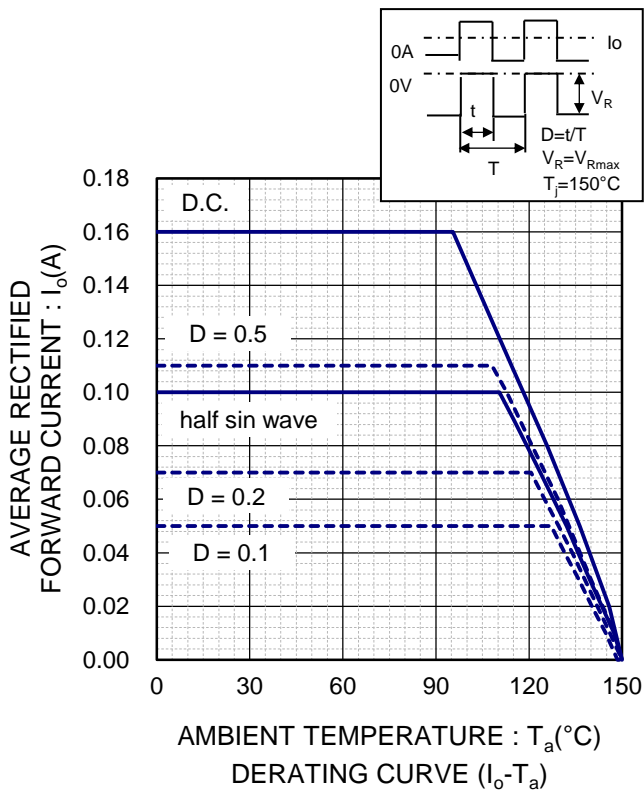
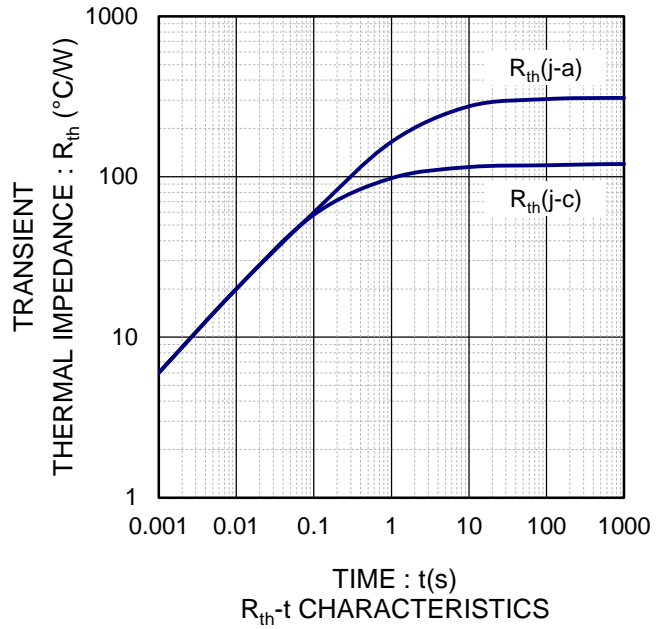
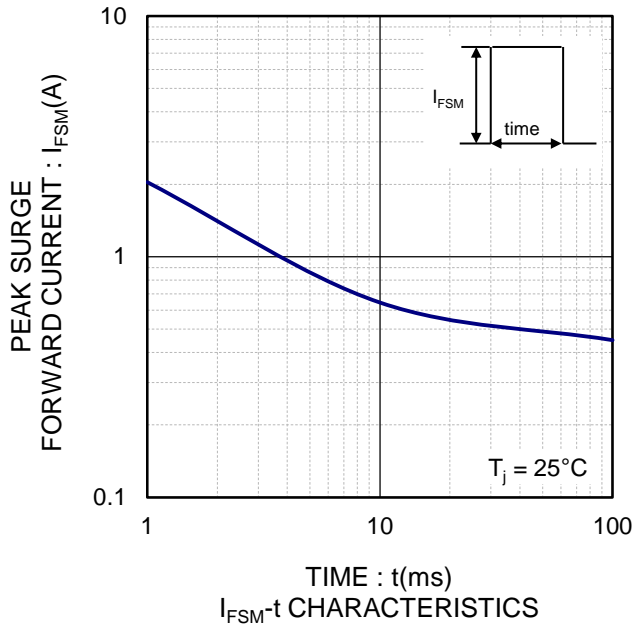
### ●Electrical Characteristics (T<sub>j</sub> = 25°C)

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

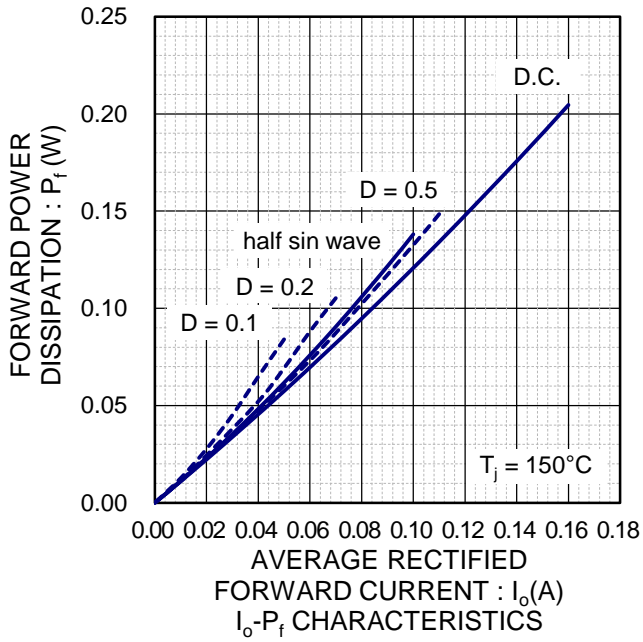
●Electrical Characteristic Curves



●Electrical characteristic curves



●Electrical characteristic curves



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