Super Fast Recovery Diode

RF01VM2SFH Datasheet

AEC-Q101 Qualified

●Series

Standard Fast Recovery

●Applications

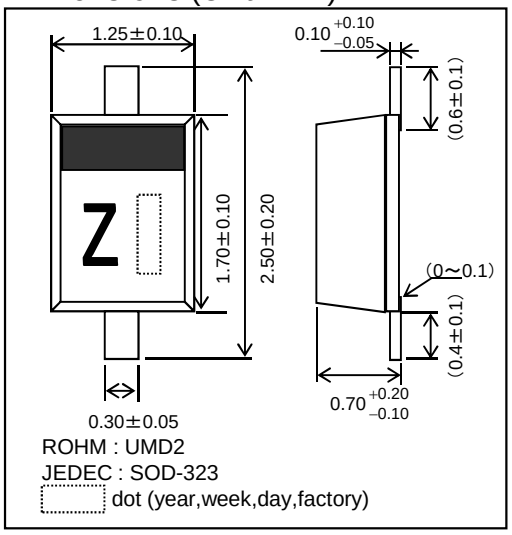
General rectification

●Features

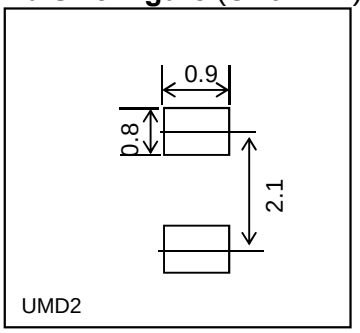
1) Small mold type (UMD2)

2) High speed switching

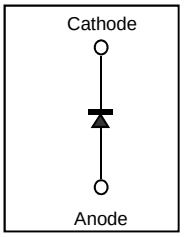
●Dimensions (Unit : mm)



●Land Size Figure (Unit : mm)



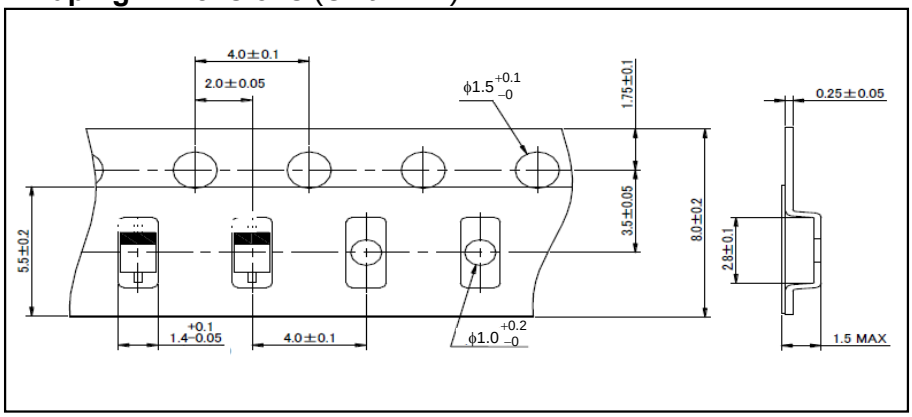
●Structure



●Construction

Silicon epitaxial planar type

●Taping Dimensions (Unit : mm)



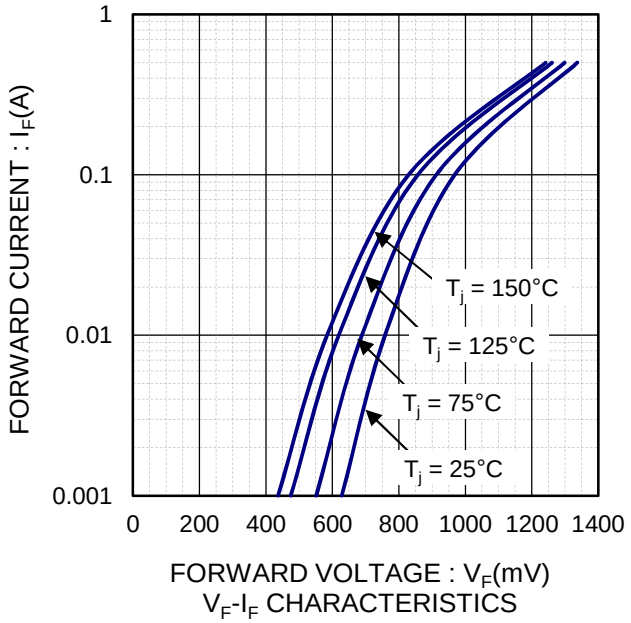
●Absolute Maximum Ratings (T_a= 25°C)

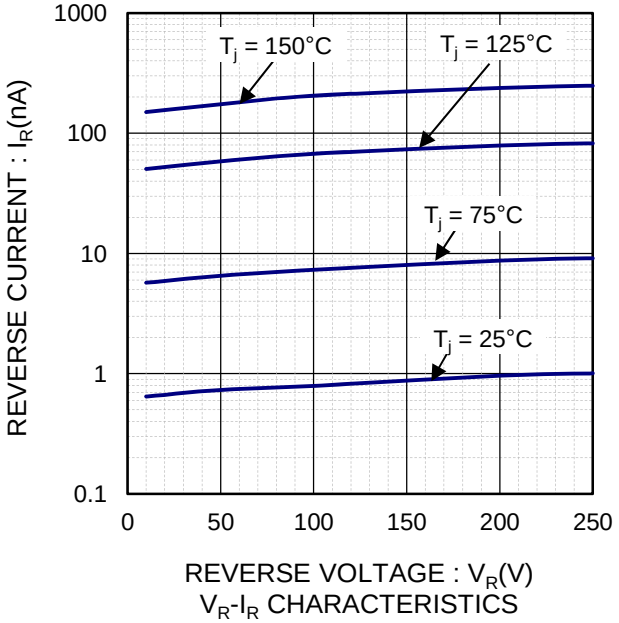
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V_{RM}	Duty≦0.5	250	V
Reverse voltage	V_R	Direct voltage	250	V
Repetitive peak forward current	I_{FM}	-	300	mA
Average current	I_o	60Hz half sin wave , Resistive load	100	mA
Non-repetitive forward surge current	I_{FSM}	60Hz half 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

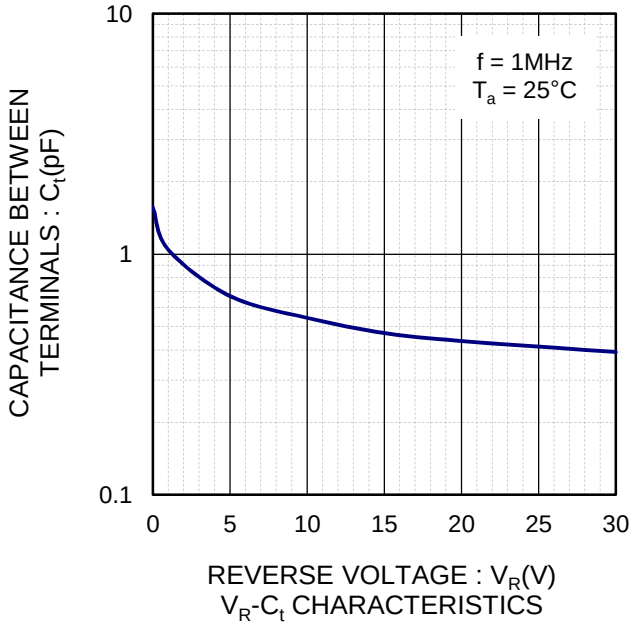
●Electrical Characteristics (T_j = 25°C)

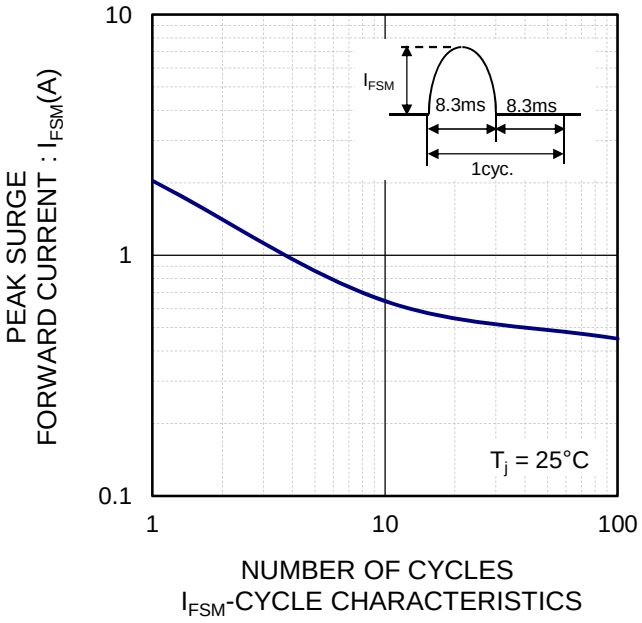
Parameter	Symbol	Conditions	Min.	Typ.	Max.	Unit
Forward voltage	V_F	I_F=100mA	-	1	1.2	V
Reverse current	I_R	V_R=250V	-	0.01	10	μA
Reverse recovery time	trr	V_R=6V, I_F=10mA,R_L=50Ω Irr=0.1×I_R	-	10	50	ns

●Electrical Characteristic Curves

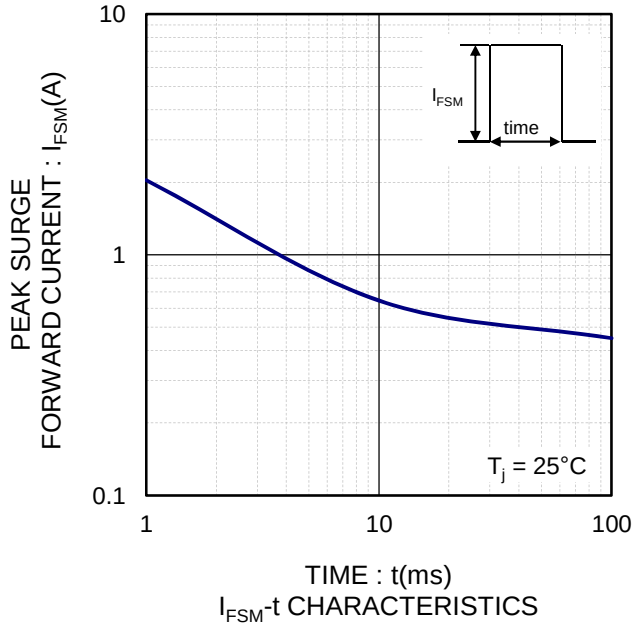


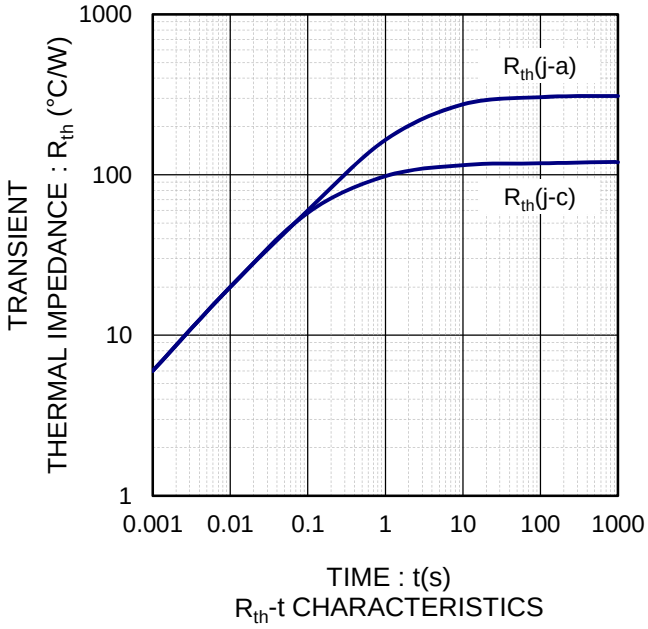


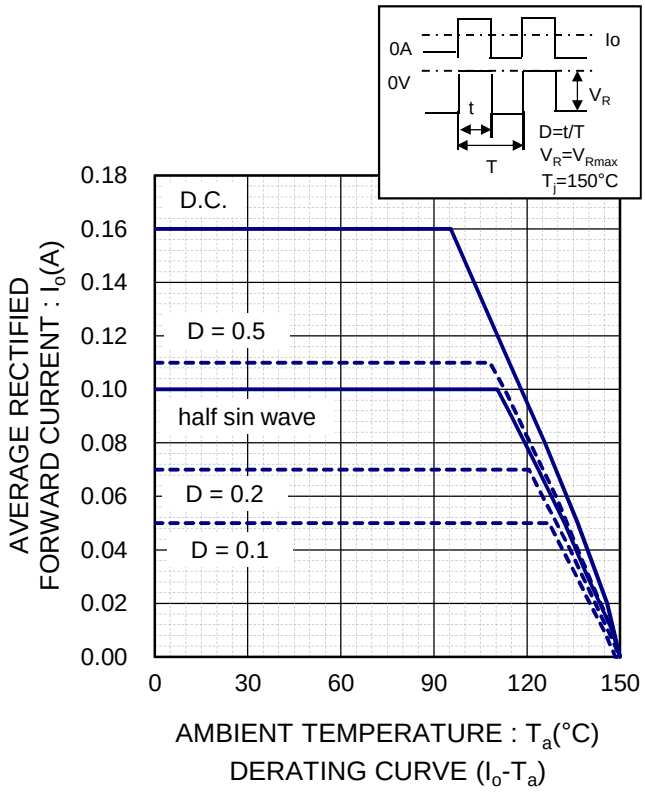


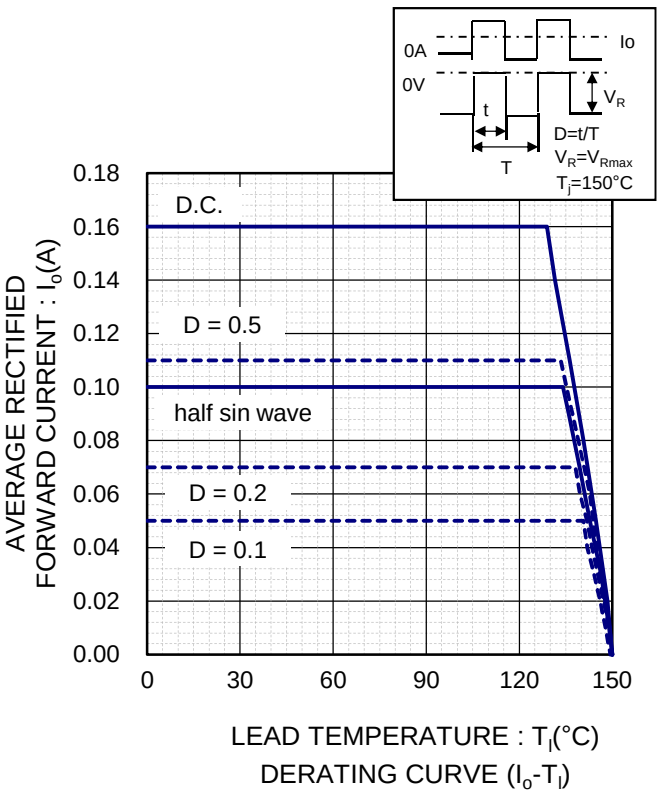


●Electrical characteristic curves









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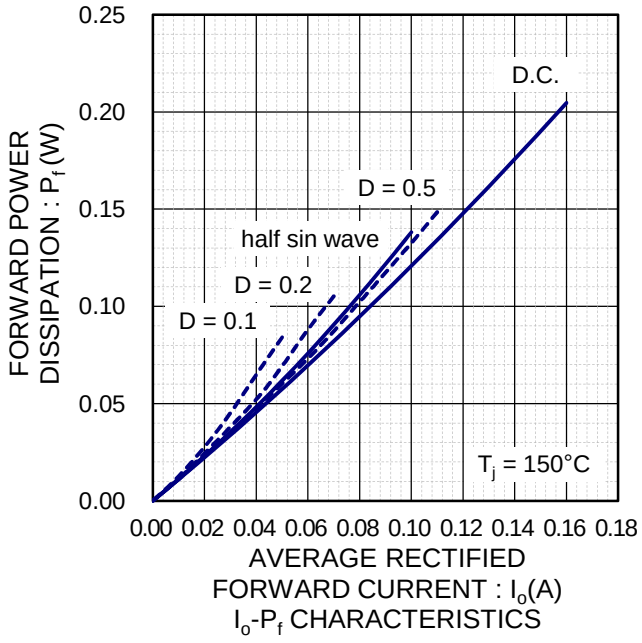

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