Super Fast Recovery Diode

● Dimensions (Unit: mm)

1 : Manufacture Date

RF601BM2DFH Datasheet

Series

Standard Fast Recovery

Application

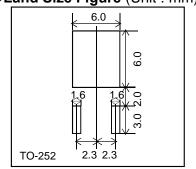
General rectification

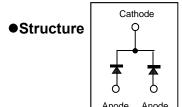
Features

- 1) Cathode common dual type
- 2) Low switching loss
- 3) Low forward voltage

AEC-Q101 Qualified

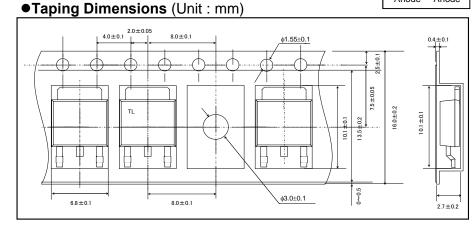
●Land Size Figure (Unit : mm)





● Construction

Silicon epitaxial planar type



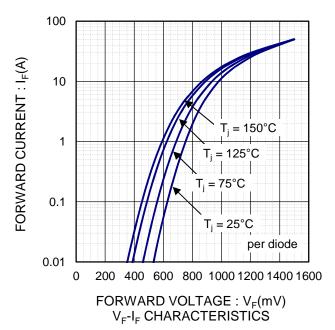
● Absolute Maximum Ratings (T_c= 25°C)

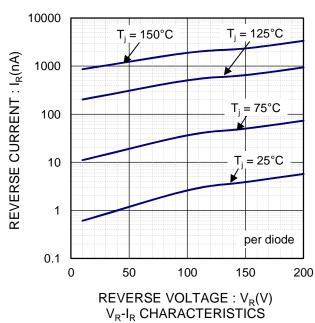
Parameter	Symbol	Conditions	Limits	Unit
Repetitive peak reverse voltage	V_{RM}	Duty≦0.5	200	V
Reverse voltage	V_R	Direct voltage	200	V
Average rectified foward current	I _o	60Hz half sin wave , Resistive load $T_{c=109^{\circ}C}$	6	Α
Forward current surge peak	I _{FSM}	60Hz half sin wave, Non-repetitive at Tj=25°C, per diode	60	Α
Operating junction temperature	Tj	-	150	°C
Storage temperature	T _{stg}	-	-55 to +150	°C

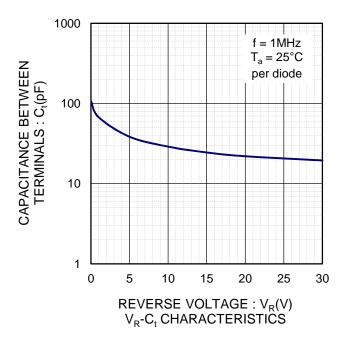
●Electrical Characteristics (T_i = 25°C, per diode)

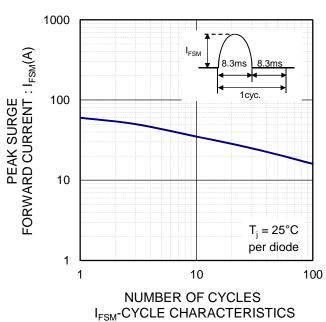
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V_{F}	I _F =3A	-	0.87	0.93	V
Reverse current	I _R	V _R =200V	-	0.05	10	μА
Reverse recovery time	trr	I _F =0.5A, I _R =1A, Irr=0.25×I _R	-	14	25	ns
Thermal resistance	R _{th(j-c)}	Junction to case	-	-	6.0	°C/W

•Electrical Characteristic Curves

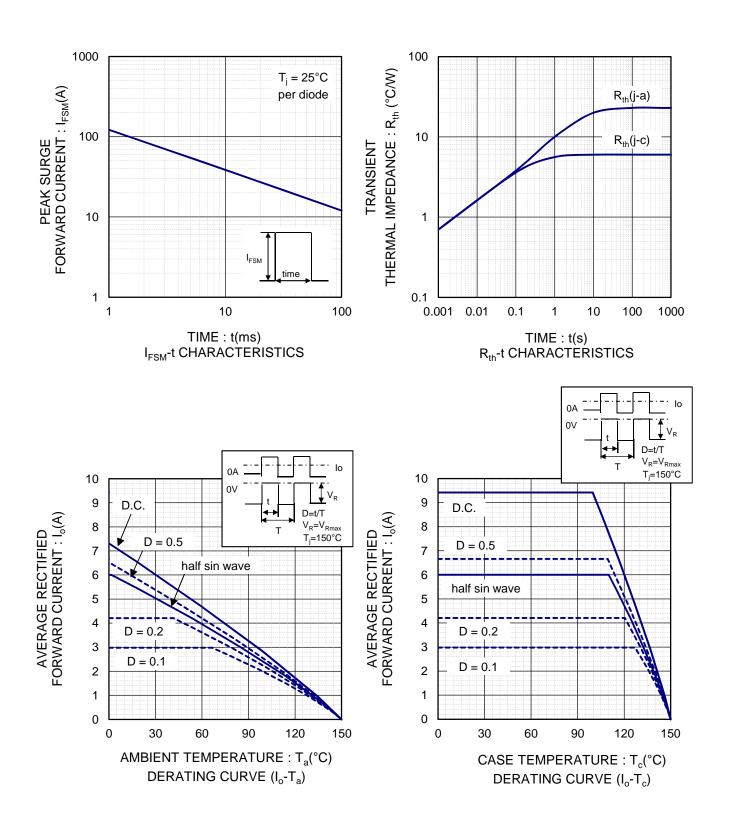




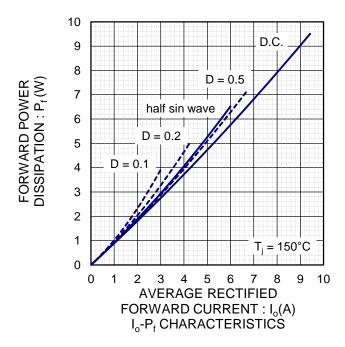




•Electrical Characteristic Curves



•Electrical Characteristic Curves



Notes

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