

Super Fast Recovery Diode

RF505BM6SFH

Datasheet

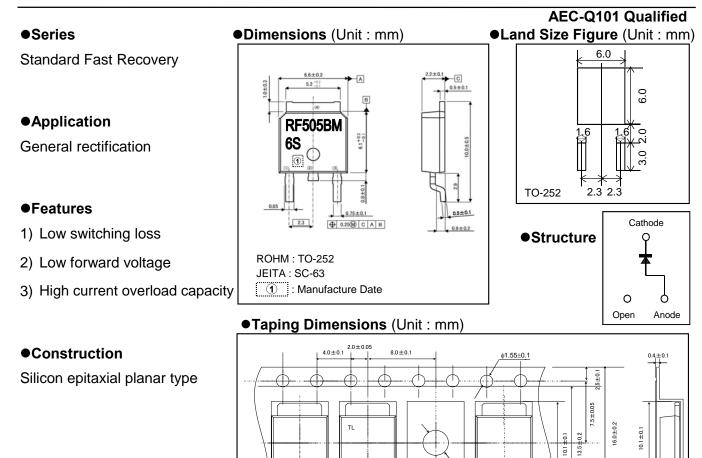
10.1

0~0.5

2.7±0.2

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φ3.0±0.1



•Absolute Maximum Ratings (T_c= 25°C)

Parameter	Symbol	Conditions	Conditions		Unit
Repetitive peak reverse voltage	V_{RM}	Duty≦0.5	y≦0.5		V
Reverse voltage	V _R	Direct voltage		600	V
Average rectified foward current	I _o	60Hz half sin wave , Resistive load	T _c =90°C	5	А
Forward current surge peak	I _{FSM}	60Hz half sin wave ,Non-repetitive at	z half sin wave ,Non-repetitive at T _j =25°C		А
Operating junction temperature	Τ _j	-		150	°C
Storage temperature	T _{stg}	55		-55 to +150	°C

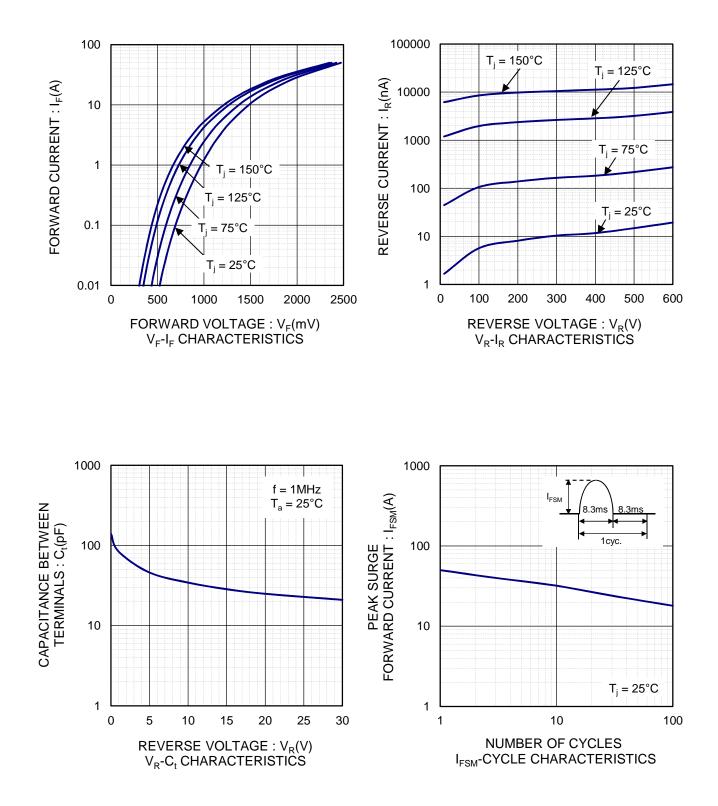
 8.0 ± 0.1

 6.8 ± 0.1

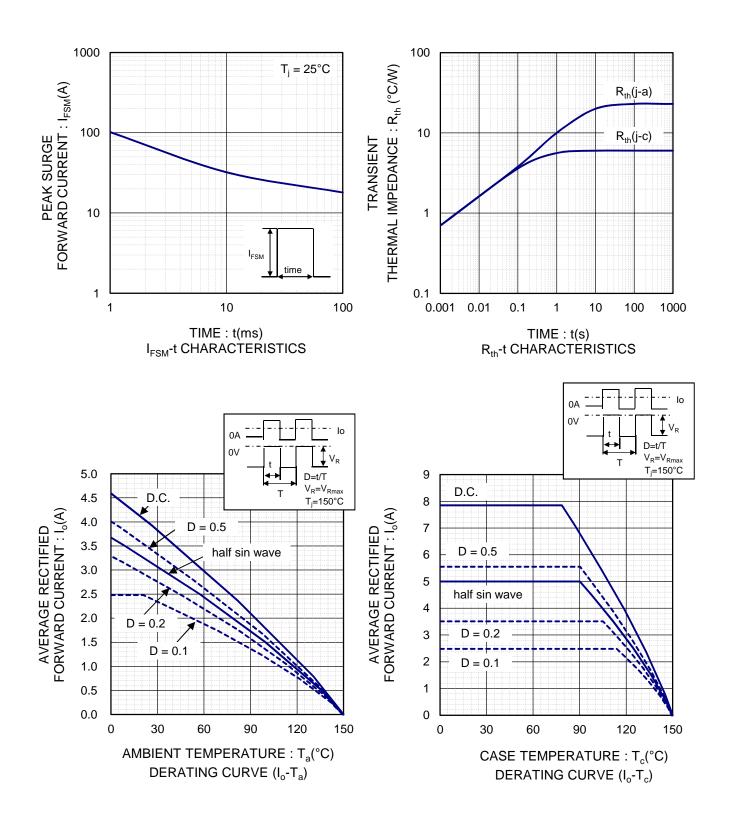
•Electrical Characteristics $(T_i = 25^{\circ}C)$

Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Forward voltage	V_{F}	I _F =5A	-	1.3	1.7	V
Reverse current	I _R	V _R =600V	-	0.05	10	μA
Reverse recovery time	trr	I _F =0.5A, I _R =1A, Irr=0.25×I _R	-	22	30	ns
Thermal resistance	R _{th(j-c)}	Junction to case	-	-	6.0	°C / W

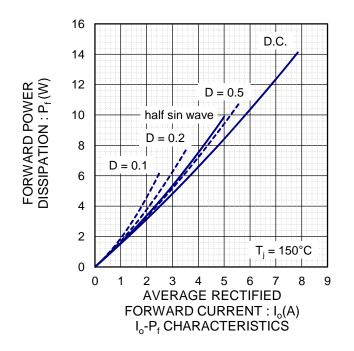
•Electrical Characteristic Curves



•Electrical Characteristic Curves



•Electrical Characteristic Curves



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