MA3G695 (MA695)

Silicon planar type (cathode common)

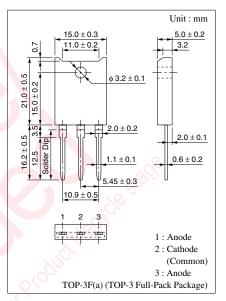
For high-frequency rectification

Features

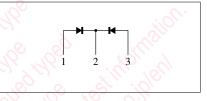
- Cathode common dual type
- High reverse voltage V_R
- Low forward voltage V_F
- Fast reverse recovery time t_{rr}

Absolute Maximum Ratings $T_a = 25^{\circ}C$

v
V
A
A
150 °C
150 °C



Internal Connection



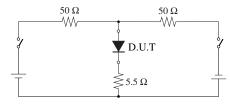
: Half sine-wave; 10 ms/cycle Note)

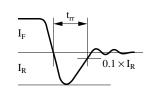
Electrical Characteristics $T_a = 25^{\circ}C$

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Repetitive peak reverse current	I _{RRM1}	$V_{RRM} = 400 \text{ V}, T_{C} = 25^{\circ}\text{C}$	2		50	μΑ
	I _{RRM2}	$V_{RRM} = 400 \text{ V}, \text{ T}_{j} = 150^{\circ}\text{C}$	N. N		10	mA
Forward voltage (DC)	V _F	$I_F = 10 \text{ A}, T_C = 25^{\circ}\text{C}$	0		1	V
Reverse recovery time*	t _{rr}	$I_F = 1 A, I_R = 1 A$			100	ns
Thermal resistance	R _{th(j-c)}	Direct current (between junction and case)			1.5	°C/W
N AND A	R _{th(j-a)}	ist when			41.6	°C/W

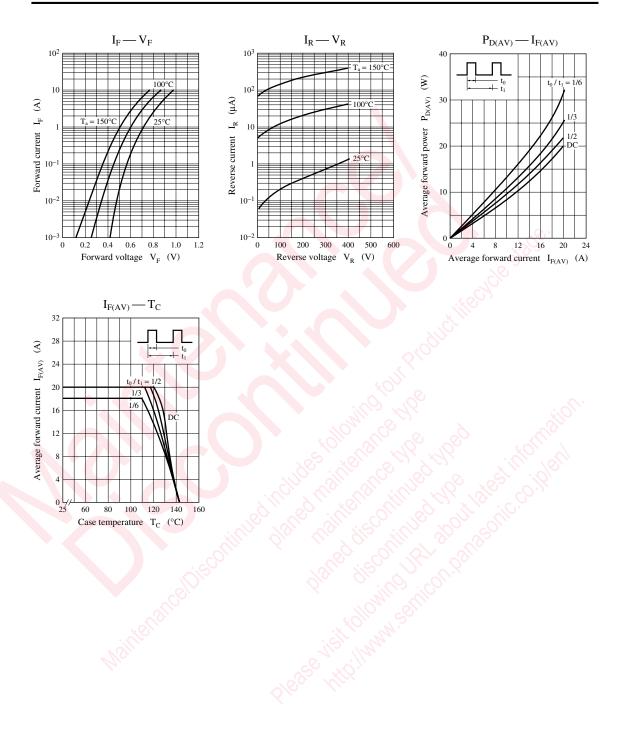
Note) 1. Rated input/output frequency: 10 MHz

2. *: t_{rr} measuring circuit





Note) The part number in the parenthesisi shows conbentional part number.



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