

MA3G762

Silicon epitaxial planar type (cathode common)

For switching power supply

■ Features

- Forward current (average) $I_{F(AV)}$: 20 A type
- Repetitive peak reverse voltage V_{RRM} : 90 V type
- High reliability caused by sealed in the TOP-3F (Full-pack package)
- Cathode common dual type

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

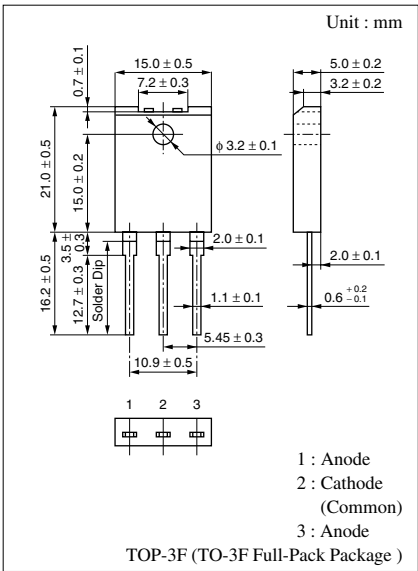
Parameter	Symbol	Rating	Unit
Repetitive peak reverse voltage	V_{RRM}	90	V
Average forward current	$I_{F(AV)}$	20	A
Non-repetitive peak forward surge current*	I_{FSM}	130	A
Junction temperature	T_j	-40 to +125	$^\circ\text{C}$
Storage temperature	T_{stg}	-40 to +125	$^\circ\text{C}$

Note) * : Sine half-wave; 10 ms/cycle

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

Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Reverse current (DC)	I_R	$V_R = 90 \text{ V}$			5	mA
Forward voltage (DC)	V_F	$I_F = 10 \text{ A}$			0.85	V
Thermal resistance	$R_{th(j-c)}$	Direct current (between junction and case)			1.5	$^\circ\text{C/W}$

Note) Rated input/output frequency: 100 MHz



Marking Symbol: MA3G762

Internal Connection

