MA750, MA750A

Silicon epitaxial planer type (cathode common)

For switching power supply

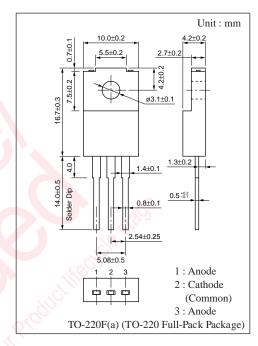
■ Features

- Forward current (average) $I_{F(AV)}$: 10A type
- Sealed in TO-220F full-pack package, with high reliability
- Cathode common dual type
- Low forward voltage V_F

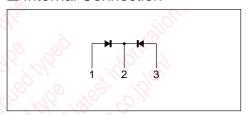
■ Absolute Maximum Ratings (Ta= 25°C)

Paramete	Symbol	Rating	Unit	
Repetitive peak reverse voltage	MA750 MA750A	V _{RRM}	40 45	V
Average forward cur	I _{F(AV)}	10	A	
Non-repetitive peak forward	I _{FSM} *	120	A	
Junction temperature	T _j	- 40 to +125	°C ,ill	
Storage temperature	T _{stg}	-40 to +125	,C	
				XVI

^{*} Sine half wave : 10ms/cycle



■ Internal Connection



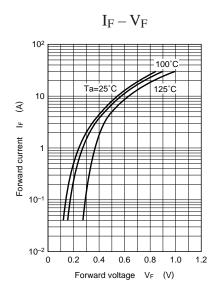
■ Electrical Characteristics (Ta= 25°C)

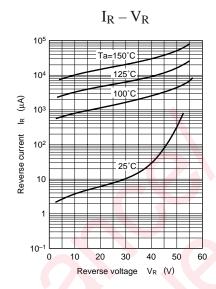
Parameter		Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	MA750	I_R	V _R = 40V	0////		3	mA
	MA750A		V _R = 45V			3	
Forward voltage (DC		$V_{\rm F}$	I _F = 5A			0.55	V
Thermal resistance	in the same	R _{th(j-c)}	Flat direct current between junction and case			3	°C/W

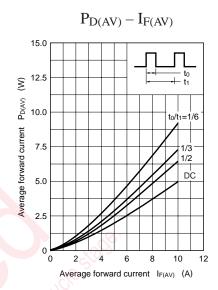
[❖] Rated input/output frequency: 150MHz

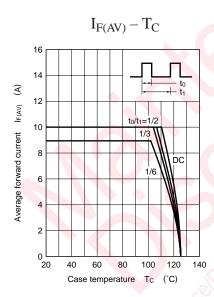
■ Marking

Part Number	MA750	MA750A
Symbol	MA750	MA750A









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