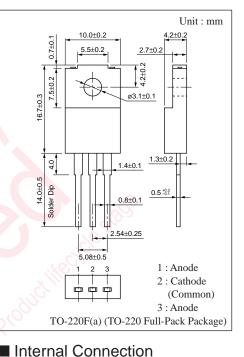
MA752, MA752A

Silicon epitaxial planer type (cathode common)

For switching power supply

- Features
- Forward current (average) $I_{F(AV)}$: 20A 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)

Parameter	Symbol	Rating	Unit		
Repetitive peak	MA752	V	40	v	
reverse voltage	MA752A	V _{RRM}	45		
Reverse voltage (DC)	MA752	N.	40	V	
	MA752A	VR	45	V	
Average forward curr	I _{F(AV)}	20	A		
Non-repetitive peak forward	I _{FSM} *	120	A		
Junction temperature	Tj	-40 to +125	C C		
Storage temperature	T _{stg}	– 40 to +125	°C		

* Sine half wave : 10ms/cycle

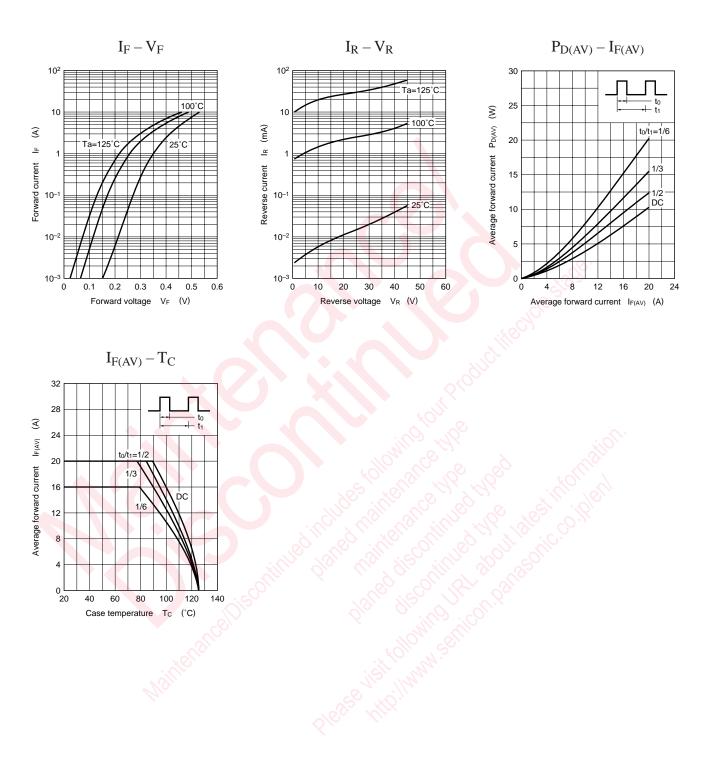
Electrical Characteristics (Ta= 25°C)

Parameter		Symbol	Condition	min	typ	max	Unit
Reverse current (DC)	MA752	- I _R	V _R =40V			5	mA
	MA752A		V _R =45V			5	
Forward voltage (DC		V _F	I _F = 10A			0.55	V
Thermal resistance	4.	R _{th(j-c)}	Flat direct current between junction and case			3	°C/W

✤ Rated input/output frequency : 100MHz

Marking

Part Number	MA752	MA752A
Symbol	MA752	MA752A





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