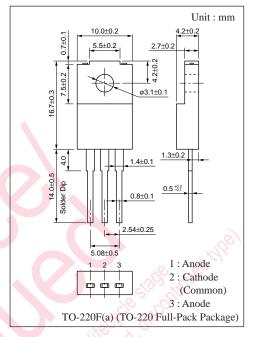
MA752, MA752A

Silicon epitaxial planer type (cathode common)

For switching power supply

- Features
- $\bullet~$ 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

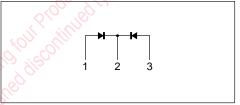


■ Absolute Maximum Ratings (Ta= 25°C)

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

* Sine half wave : 10ms/cycle

Internal Connection



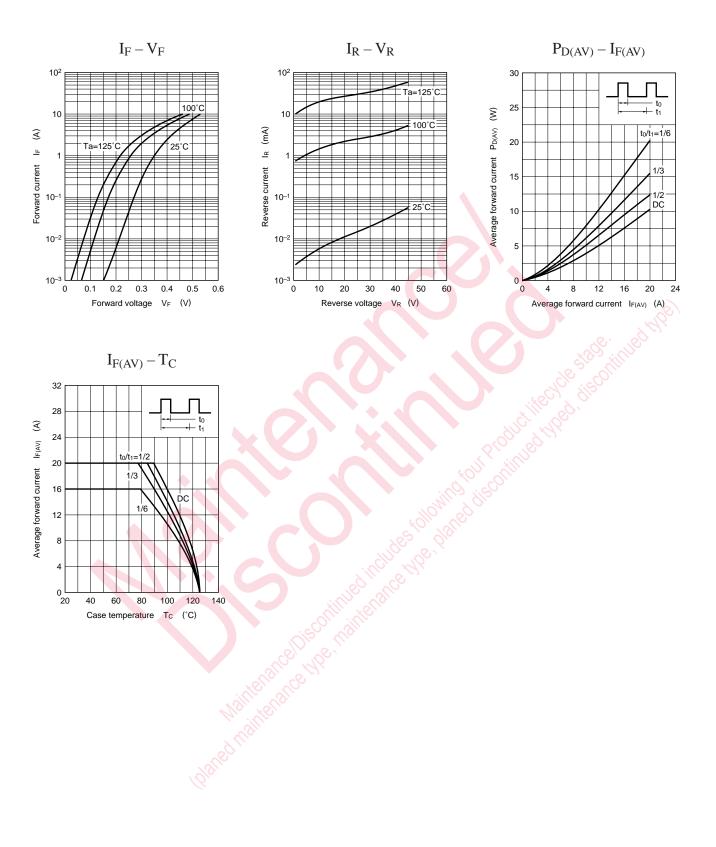
■ Electrical Characteristics (Ta= 25°C)

Parameter		Symbol	Condition	min	typ	max	Unit
Deviewe evenent (DC)	MA752	Т	$V_R = 40V$			5	
Reverse current (DC) MA	MA752A	IR	$V_R = 45V$			5	mA
Forward voltage (DC))	VF	I _F = 10A			0.55	V
Thermal resistance		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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