# imall

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## Contact us

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# MA3D752 (MA7D52), MA3D752A (MA7D52A)

### Silicon epitaxial planar type (cathode common)

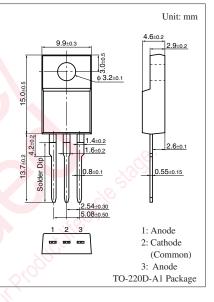
For switching mode power supply

#### Features

- $\bullet$  Low forward voltage  $V_{\rm F}$
- High dielectric breakdown voltage: > 5 kV
- Easy-to-mount, due to its V cut lead end

<b>Transformer and the set of the </b>								
Parameter		Symbol	Rating	Unit				
Repetitive peak	MA3D752	V <sub>RRM</sub>	40	v				
reverse voltage	MA3D752A		45					
Non-repetitive peak	MA3D752	V <sub>RSM</sub>	40	V				
forward surge voltage								
Forward current (Average)		I <sub>F(AV)</sub>	20	А				
Non-repetitive peak forward		I <sub>FSM</sub>	120	А				
surge current *								
Junction temperature		Tj	-40 to +125	°C				
Storage temperature		T <sub>stg</sub>	-40 to +125	°C				





Note) \*: Half sine wave; 10 ms/cycle

#### Electrical Characteristics $T_a = 25^{\circ}C \pm 3^{\circ}C$

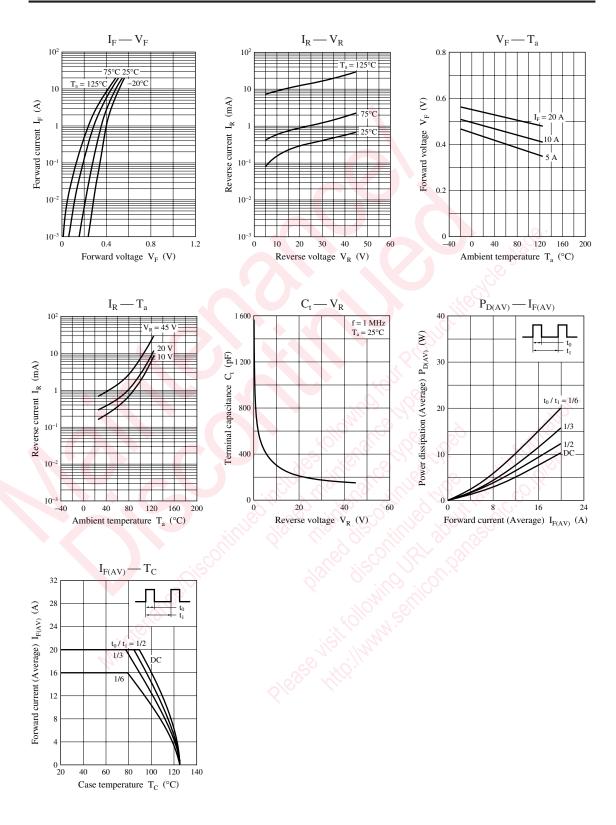
Paramete	er	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage		V <sub>F</sub>	$I_F = 10 \text{ A}, T_C = 25^{\circ}\text{C}$	2		0.55	V
Reverse current	MA3D752	I <sub>R</sub>	$V_{R} = 40 V, T_{C} = 25^{\circ}C$			5	mA
•	MA3D752A		$V_{R} = 45 \text{ V}, T_{C} = 25^{\circ}\text{C}$			5	
Thermal resistance (j-	c)	R <sub>th(j-c)</sub>				3.0	°C/W

Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.

3. Absolute frequency of input and output is 100 MHz.

### **Panasonic**



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