imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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MA3D752 (MA7D52), MA3D752A (MA7D52A)

Silicon epitaxial planar type (cathode common)

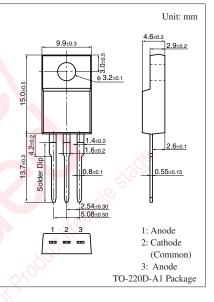
For switching mode power supply

Features

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

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





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

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

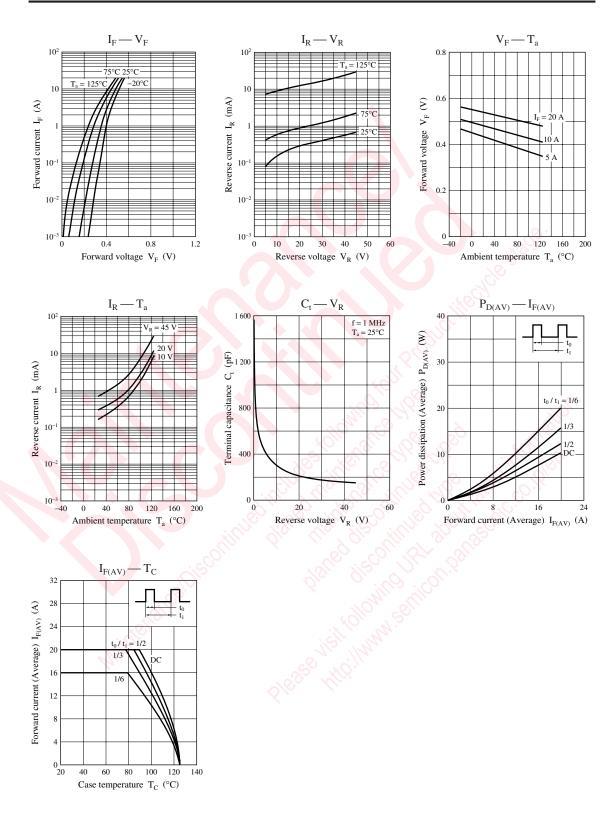
Paramete	er	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage		V _F	$I_F = 10 \text{ A}, T_C = 25^{\circ}\text{C}$	2		0.55	V
Reverse current	MA3D752	I _R	$V_{R} = 40 V, T_{C} = 25^{\circ}C$			5	mA
•	MA3D752A		$V_{R} = 45 \text{ V}, T_{C} = 25^{\circ}\text{C}$			5	
Thermal resistance (j-	c)	R _{th(j-c)}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