MA2D749, MA2D749A

Silicon epitaxial planar type

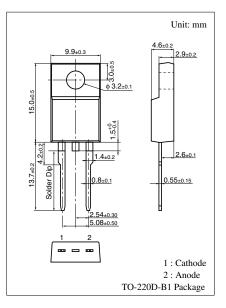
For switching mode power supply

Features

- $I_{F(AV)} = 5$ A rectification is possible
- Single type
- TO-220D-B1 package

Absolute Maximum Ratings $T_a = 25^{\circ}C$

Parameter		Symbol	Rating	Unit
Repetitive peak	MA2D749	V _{RRM}	40	V
reverse-voltage	MA2D749A		50	
Average forward current		I _{F(AV)}	5	А
Non-repetitive peak forward- surge-current *		I _{FSM}	60	А
Junction temperature		Tj	-40 to +125	°C
Storage temperature		T _{stg}	-40 to +125	°C

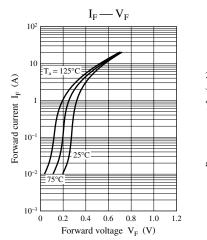


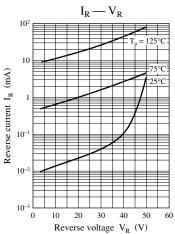
Note) *: The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

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

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Reverse current (DC)	I _R	$V_R = 40 V$			3	mA
Forward voltage (DC)	V _F	$I_F = 5 A$			0.55	V
High voltage rectification	R _{th(j-c)}	Smoothed current (between junction and case)			3.5	°C/W

Note) Rated input/output frequency: 150 kHz





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