Trigger Devices Panasonic

MA2B001

Silicon planar type trigger device

Thyristor TRIAC trigger circuit

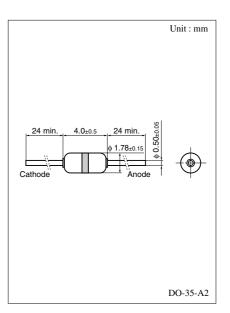
■ Features

- ullet Satisfactory symmetry of V_{BO}
- \bullet Large V_O and small I_{BO}

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Average total power dissipation	P _(AV)	150	mW
Peak current*1	I_{PM}	2.0	A
Operating ambient temperature*2	T_{opr}	100	°C
Storage temperature	T _{stg}	-55 to +125	°C

Note) *1 : $T_a < 50^{\circ}\text{C}$, $t = 10 \,\mu\text{s}$, repetitive frequency 60 Hz

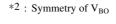


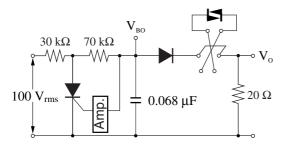
■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Breakover current	I_{BO}	$V = V_{BO}$			50	μΑ
Breakover voltage*1	V_{BO}	$I = I_{BO}$	28		36	V
Output voltage*1	Vo		4.0	7.0		V
Temperature coefficient of breakover voltage	T.C.(V _{BO})			0.1		%/°C
Breakover voltage deviation*2	ΔV_{BO}				3.5	V

Note) 1. Rated input/output frequency: 100 MHz

2. *1: Measurement of V_{BO} and V_{O}

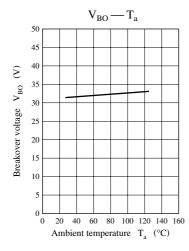


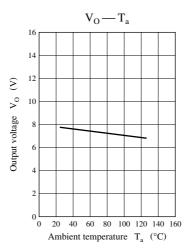


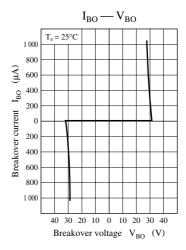


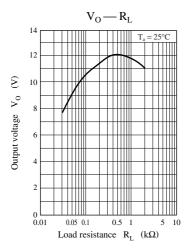
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^{*2}: Maximum ambient temperature during operation









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