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MA2B001

Silicon planar type trigger device

Thyristor TRIAC trigger circuit

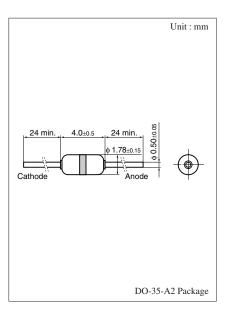
■ Features

- ullet Satisfactory symmetry of breakover voltage V_{BO}
- \bullet Large output voltage V_{O} and small breakover current I_{BO}

■ Absolute Maximum Ratings $T_a = 25$ °C

Parameter	Symbol	Rating	Unit
Power dissipation (Average)	$P_{D(AV)}$	150	mW
Peak current *1	I_P	2.0	A
Operating ambient temperature *2	T_{opr}	100	°C
Storage temperature	T_{stg}	-55 to +125	°C

Note) *1: $T_a < 50$ °C, $t = 10 \mu s$, repetitive frequency 60 Hz

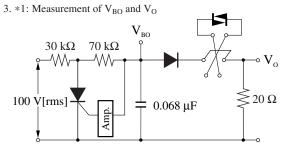


■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

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

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

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

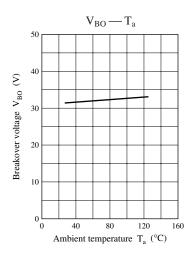


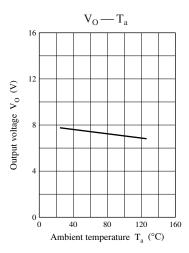
*2: Symmetry of V_{BO}

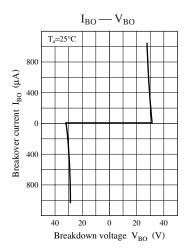


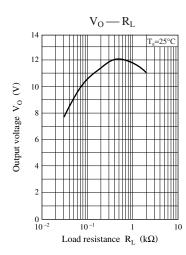
^{*2:} Maximum ambient temperature during operation

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