Panasonic

MA2B001

Silicon planar type trigger device

Thyristor TRIAC trigger circuit

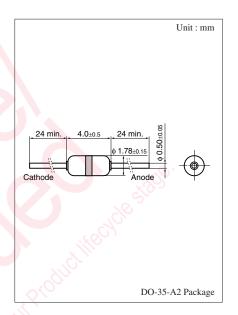
■ Features

- 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: $T_a < 50^{\circ}$ C, $t = 10 \mu s$, repetitive frequency 60 Hz

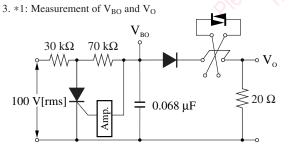


■ Electrical Characteristics $T_a = 25$ °C ± 3 °C

Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Breakover voltage *1	V_{BO}	$I = I_{BO}$	28		36	V
Output voltage *1	v_{o}	1811 912 D.	4.0	7.0		V
Breakover current	I_{BO}	$V = V_{BO}$			50	μΑ
Temperature coefficient of breakover voltage	T.C.(V _{BO})	11/10/10/1981		0.1		%/°C
Breakover voltage deviation *2	ΔV_{BO}	isl who			3.5	V

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

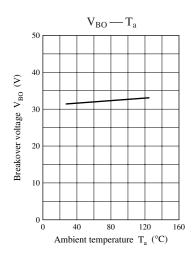
2. Absolute frequency of input and output is 100 MHz.

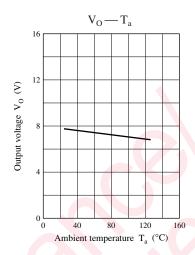


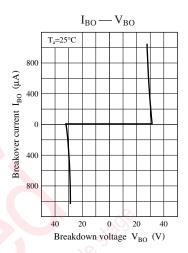
*2: Symmetry of V_{BO}

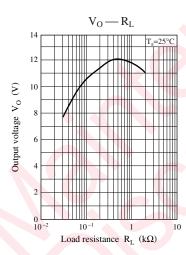


^{*2:} Maximum ambient temperature during operation









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