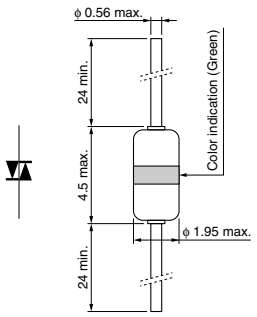
MA2B001

Silicon planar type trigger device

Thyristor TRIAC trigger circuit

Unit : mm



DO-35 Package

■ Features

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

■ Absolute Maximum Ratings $T_a = 25°C$

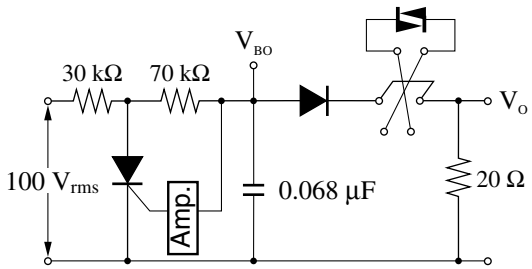
Parameter	Symbol	Rating	Unit
Average total power dissipation	$P_{(AV)}$	150	mW
Peak current*1	I_{PM}	2.0	A
Operating ambient temperature*2	T_{opr}	100	°C
Storage temperature	T_{stg}	−55 to +125	°C

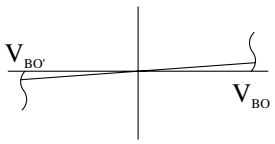
Note) *1 : T_a < 50°C, t = 10 µs, repetitive frequency 60 Hz
*2 : Maximum ambient temperature during operation

■ Electrical Characteristics $T_a = 25°C \pm 3°C$

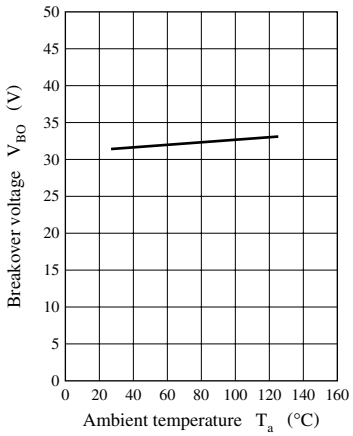
Parameter	Symbol	Conditions	Min	Typ	Max	Unit
Breakover current	I_{BO}	$V = V_{BO}$			50	µA
Breakover voltage*1	V_{BO}	$I = I_{BO}$	28		36	V
Output voltage*1	V_O		4.0	7.0		V
Temperature coefficient of breakover voltage	T.C.(V_{BO})			0.1		%/°C
Breakover voltage deviation*2	ΔV_{BO}				3.5	V

Note) 1. Rated input/output frequency: 100 MHz
2. *1 : Measurement of V_{BO} and V_O *2 : Symmetry of V_{BO}

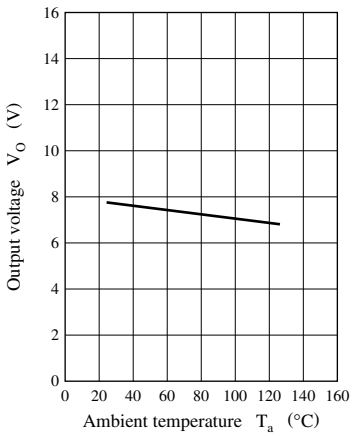




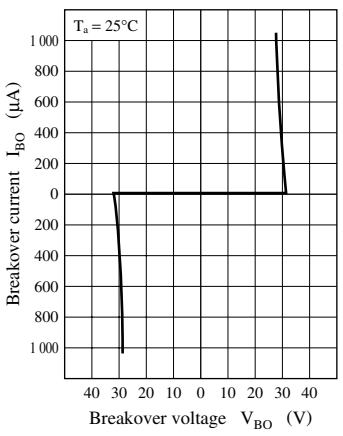
V_{BO} — T_a



V_O — T_a



I_{BO} — V_{BO}



V_O — R_L

