

MA64

Silicon planer type trigger element

Thyristor element

■ Features

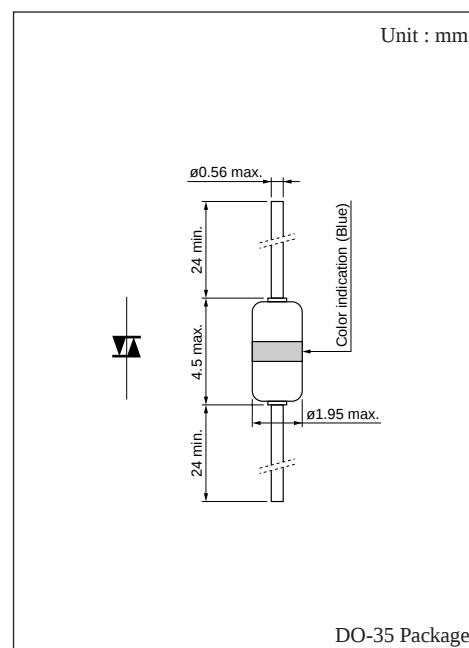
- Satisfactory symmetry of V_{BO}
- Large V_O and small I_{BO}

■ Absolute Maximum Ratings ($T_a = 25^\circ\text{C}$)

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

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

*2 Maximum ambient temperature during operation



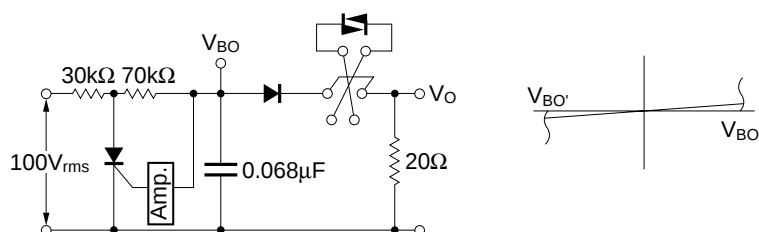
■ Electrical Characteristics ($T_a = 25^\circ\text{C}$)

Parameter	Symbol	Condition	min	typ	max	Unit
Breakover current	I_{BO}	$V = V_{BO}$			50	μA
Breakover voltage	V_{BO}^{*1}	$I = I_{BO}$	28		36	V
Output voltage	V_O^{*1}		4	7		V
Temperature dependence of breakover voltage	—			0.1		$\%/^\circ\text{C}$
Breakover voltage deviation	ΔV_{BO}^{*2}				3.5	V

Note 1. Rated input/output frequency : 100MHz

2. *1 Measurement of V_{BO} and V_O

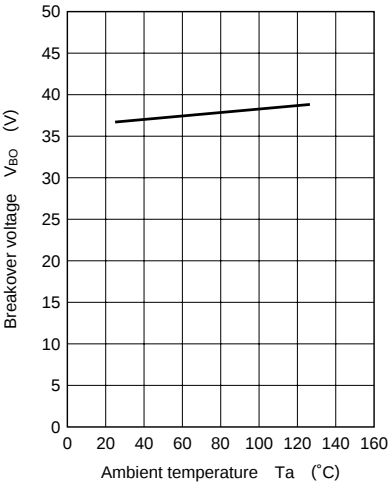
*2 Symmetry of V_{BO}



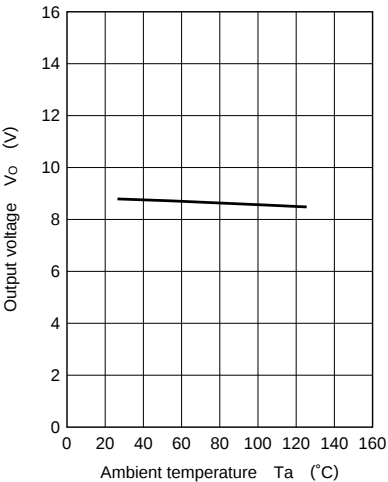
■ Marking

Type No.	MA64
Color	Blue

$V_{BO} - T_a$



$V_O - T_a$



$I_{BO} - V_{BO}$

