

Dimensions in inches and (millimeters)

## ABSOLUTE RATINGS

Parameters	Symbols	MA64	UNITS
Power dissipation on printed $T_A=50^\circ\text{C}$ circuit ( $L=10\text{mm}$ )	$P_c$	150.0	mW
Repetitive peak on-state current $f=120\text{Hz}$	$I_{TRM}$	2.0	A
Operating junction temperature	$T_J$	-40---+125	$^\circ\text{C}$
Storage temperature	$T_{STG}$	-40---+125	$^\circ\text{C}$

## ELECTRICAL CHARACTERISTICS

Parameters	Test Conditions		MA64	UNITS
Breakover voltage (NOTE 1)	$V_{BO}$	C=22nf(NOTE 2) See FIG.1	Min	28
			Typ	32
			Max	36
Breakover voltage symmetry	$ V_{BO}  -  V_{BO} $	C=22nf(NOTE 2) See FIG.1	Max	±3.0
Dynamic breakover voltage (NOTE 1)	$ V_{BO}  \pm \Delta V$	$\Delta I = (I_{BO} \text{ to } I_F = 10\text{mA})$ See FIG.1	Min	5.0
Output voltage (NOTE 1)	$V_o$	See FIG.2	Min	5.0
Breakover current (NOTE 1)	$I_{BO}$	C=22nf(NOTE 2)	Max	100.0
Rise time (NOTE 1)	$t_r$	See FIG.3	Typ	1.5
Leakage current (NOTE 1)	$I_R$	$V_R = 0.5 V_{BO}$ See FIG.1	Max	10.0

NOTE: 1.Electrical characteristics applicable in both forward and reverse directions.

2.Connected in parallel with the devices

## Ratings and Characteristic Curves

FIG.1—VOLTAGE-CURRENT CHARACTERISTIC CURVE

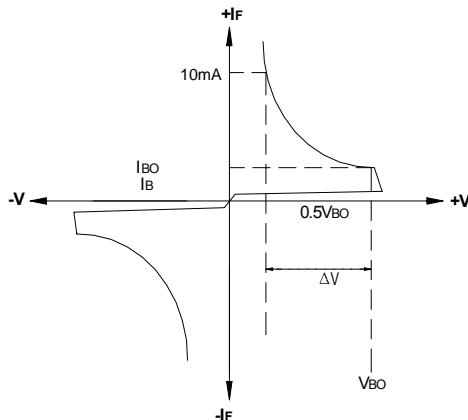


FIG.2—TEST CIRCUIT FOR OUTPUT VOLTAGE

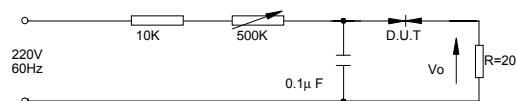


FIG.3— TEST CIRCUIT SEE FIG.2 ADJUST R FOR  $I_P=0.5A$

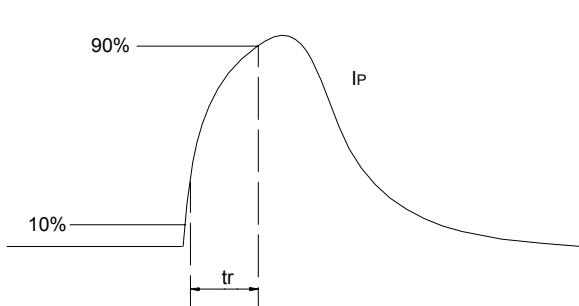


FIG.4—POWER DISSIPATION VERSUS AMBIENT TEMPERATURE (MAXIMUM VALUES)

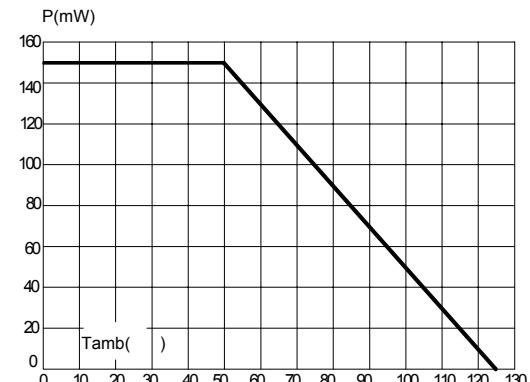


FIG.5—RELATIVE VARIATION OF  $V_{BO}$  VERSUS JUNCTION TEMPERATURE(TYPICAL VALUES)

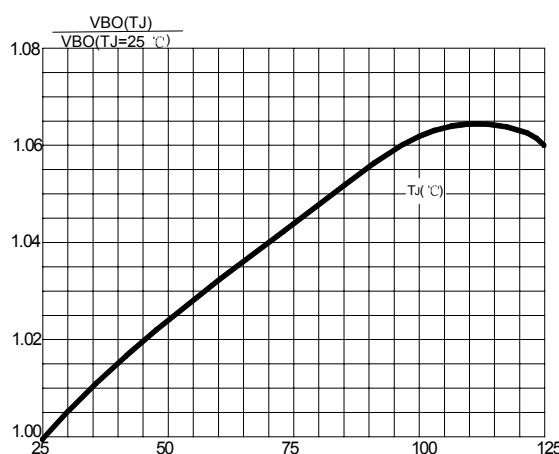


FIG.6—PEAK PULSE CURRENT VERENT VERSUS PULSE DURATION(MAXIMUM VALUES)

