



DIAC

DB3-SERIES

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

PARAMETERS	SYMBOL	DB3/PDA30	DB4/PDA40	PDA60	UNITS
Breakover Voltage	+VBO, -VBO	28	35	56	VOLT Min
		32	40	60	Typ
		36	45	70	Max
Breakover Voltage Symmetry	$ (+V_{BO}) - (-V_{BO}) $	3	3	4	VOLT Max
Dynamic Breakback Voltage	$ V_{BO} - V_{BR} $	5	5	10	VOLT Min
Breakover Current	+IBR, -IBR	100	100	100	μ A Max
Peak Pulse Current for 10 μ S, 120pps, T _A 40	IP	2.0	2.0	1.6	AMP Max

Cases: DO-35 Molded Glass



DIAC

BIDIRECTIONAL DIODE THYRISTORS

FIGURE 1--V-I CHARACTERISTICS

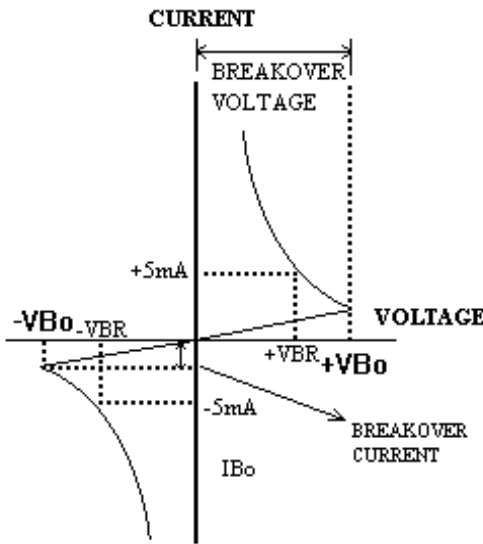


FIGURE 2-REPETITIVE PEAK ON-STATE CURRENT VS PULSE DURATION

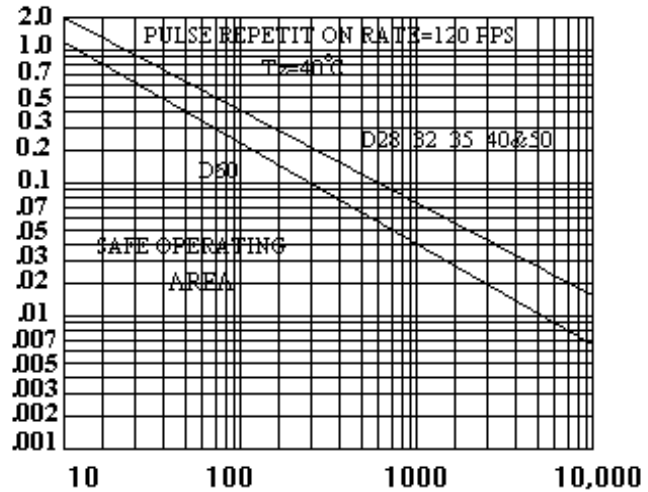


FIGURE 3-NORMALIZED V_{Bo} CHANGE VS JUNCTION TEMPERATURE

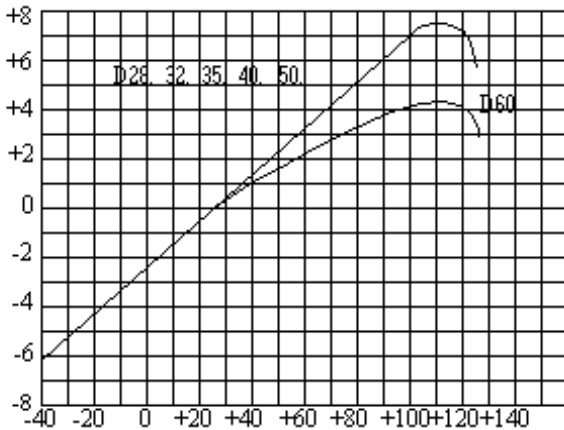


FIGURE 4-TEST CIRCUIT WAVEFORMS (SEE FIGURE 5)

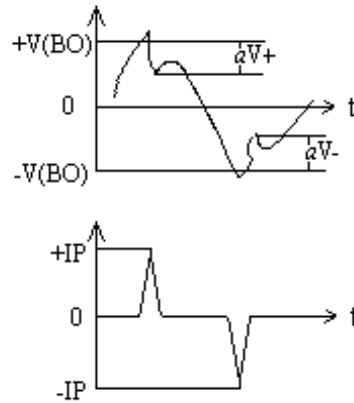
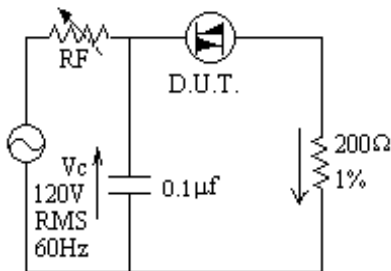


FIGURE 5-CIRCUIT USED TO MEASURE DIAC CHARACTERISTICS



*ADJUST FOR ONE FIRING HALF CYCLE