

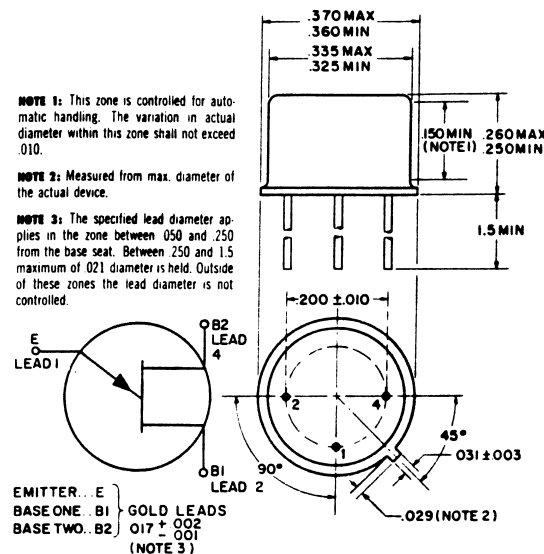


absolute maximum ratings: (25°C)*

Voltages		
Emitter Reverse	60	volts
Interbase	65	volts
Current		
RMS Emitter	70	ma
Peak Emitter	2	amperes†
Power		
Dissipation	600	mw**
Temperatures		
Operating	-65 to +175	°C
Storage	-65 to +175	°C

†Capacitor discharge—10 μ fd or less, 30 volts or less.

**Derate 3.9 mw/°C increase in ambient temperature. The total power dissipation (available power to Emitter and Base-Two) must be limited by the external circuitry.



electrical characteristics: (25°C)

Intrinsic Standoff Ratio ($V_{BB} = 10V$)	η	.51	.62	.56	.68	.62	.75
Interbase Resistance ($V_{BB} = 3V$, $I_E = 0$)	R_{BBO}	6.2	9.1	6.2	9.1	6.2	9.1
Emitter Saturation Voltage ($V_{BB} = 10V$, $I_E = 50$ ma)	$V_{E(SAT)}$		4		4.3		4.6
Modulated Interbase Current ($V_{BB} = 10V$, $I_E = 50$ ma)	$I_{B2(MOD)}$	6.8	22	6.8	22	6.8	22
Emitter Reverse Current ($V_{B2E} = 30V$, $I_{B1} = 0$)	I_{EO}		0.02		0.02		0.02
Emitter Reverse Current ($V_{BB} = 25V$, $V_{EB1} = V_P - .3V$) (Fig. 2)	I_{EX}		0.05		0.05		0.05
Peak Point Emitter Current ($V_{BB} = 25V$)	I_P		2		2		2
Valley Point Current ($V_{BB} = 20V$, $R_{B2} = 100\Omega$)	I_V	8.0		8.0		8.0	
Base-One Peak Pulse Voltage†	V_{OB1}	3.0		3.0		3.0	

†The base-one peak pulse voltage is measured in Figure 1 below. This specification is used to ensure a minimum pulse amplitude for applications in SCR firing circuits and other types of pulse circuits.

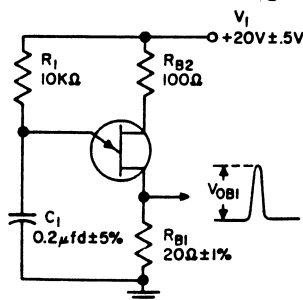


Figure 1

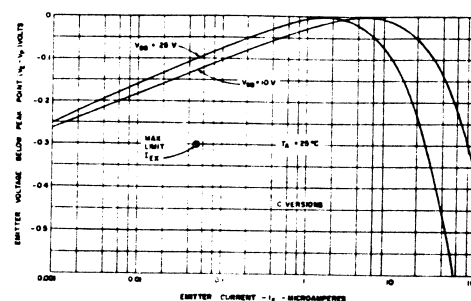


Figure 2

