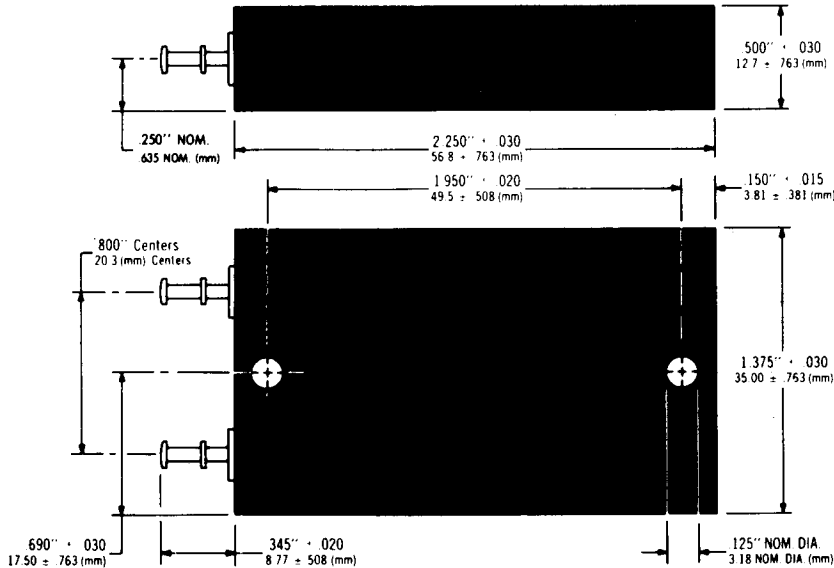


7.5KW. 15KW & 60KW Bipolar Powerzorb Modules

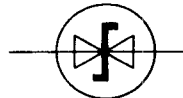
A range of Bipolar Transient Absorption modules with 7.5KW, 15KW and 60KW surge capabilities for applications which are likely to see extreme voltage transients.

P_{surge} _____ 7.5KW & 15KW; 1mS expo
 _____ 60 KW; 40 μ sec expo
 V_{range} _____ 8.4 to 500 Volts
 t_{on} _____ $\leq 1 \times 10^{-8}$ S
 $T_{\text{op \& stg}}$ _____ -65° to $+150^{\circ}$ C



CASE OUTLINE

Available in the following configuration



L60S Series

Electrical Characteristics @ 25°C

SEMITRON Part No.	Average RMS Voltage Volts AC	Reverse Stand-off Voltage V _R Volts DC	Minimum Breakdown Voltage BV @ I _t Volts mA		Maximum Reverse Leakage (I _R) @ V _R Micro Amperes	Maximum Clamping Voltage V _c @ I _{pp} Volts DC	Maximum Peak Pulse Current (Fig. 3) I _{pp} A	Maximum Peak Pulse Power (1 MSEC) (P _a) Kilowatts
L6058.4	8.4	12.0	14	10	250	22	341	7.5
L60524	24.0	34.0	40	10	250	67	112	7.5
L60530	30.0	42.5	50	1.0	250	84	90	7.5
L60560	60.0	85.0	100	1.0	250	167	90	15.0
L605120	120.0	170.0	200	1.0	250	319	47	15.0
L605208	208.0	295.0	347	1.0	250	536	28	15.0
L605250	250.0	254.0	418	1.0	250	652	23	15.0
L605440	440.0	623.0	735	1.0	250	1138	13.2	15.0
L60S500	500.0	708.0	835	1.0	250	1292	11.6	15.0

SEMITRON Part No.	Reverse Stand-off Voltage V _R Volts	Breakdown Voltage @ 1 mA BV Volts Min Max		Maximum Reverse Leakage @ V _m I _r uA	Maximum Clamping Voltage @ I _{pp} (Fig. 4) V _c Volts	Maximum Peak Pulse Current (Fig. 4) I _{pp} A	Maximum Peak Pulse Power (Fig. 4) (P _o) Kilowatts
L60S200	180	200	225	10	335	180	60

L 60S Series

FIGURE 1 Peak Pulse Powers vs Pulse Time

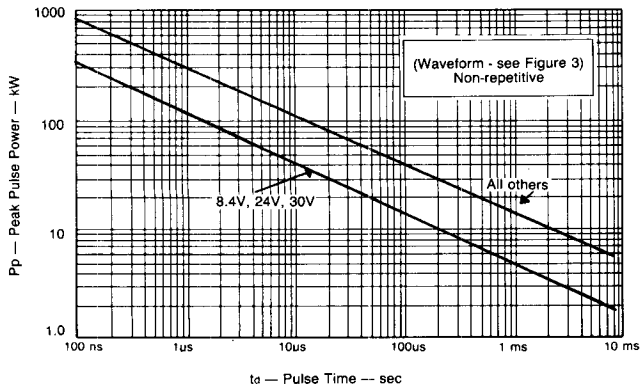


FIGURE 2 Derating Curve

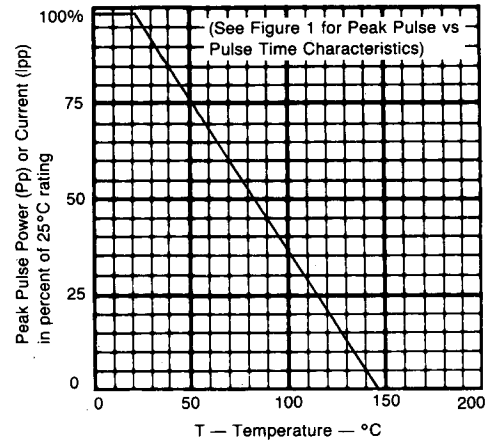


FIGURE 3 Pulse Waveform

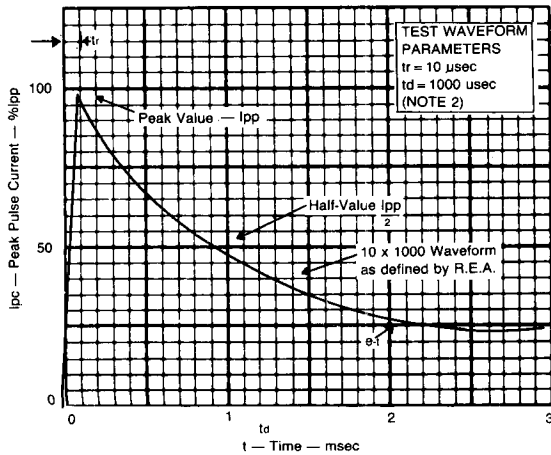


FIGURE 4 — Pulse Waveform
(1.5 x 40 µsec)

