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NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING . MANUFACTURING

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AVO-3A-T-W PULSE WIDTH CONTROL INSTRUCTIONS

- 1) The AVO-3A-T-W module is a direct replacement for the original module. The output pulse width is controlled by soldering a silver mica capacitor (0 to approx. 1000 pfd) between the GND and W terminals. A capacitance of 1000 pfd will yield an output pulse width of about 10 nsec while 0 pfd will provide an output pulse width of about 2 nsec. With 1000 pfd attached, the maximum PRF is limited to about 5 KHz.
CAUTION: The W terminal is at a potential as high as 400 volts and so must be safety insulated after installing the capacitor.

The output polarity is controlled by the rear panel two position polarity switch.

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The output of the system is controlled by the user through the keyboard.