



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## INSTRUCTIONS

### MODEL AVHF-1 COMB GENERATOR

- 1) This unit requires a CW 100 MHz 0.5 Watt ( $\approx 15$  Volts peak to peak) signal applied to the in SMA connector.
  - 2) The out SMA connector must be terminated in 50 Ohms.
  - 3) The unit is shipped with a resistor in the range of 0 to 100 Ohms connected between the DC terminal and ground. Varying this resistance may reduce the amount of spurious CW feedthrough and may slightly vary the output pulse width.
  - 4) The output impulses have a pulse width of 130 ps and an amplitude of 10 V. The output impulses are superimposed on a spurious component of the input frequency.
  - 5) The output "comb" spectrum includes lines at all multiples of the input frequency up to at least 18 GHz.
- 4) For additional assistance:

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