



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 (≈ 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 the DC terminal shorted to ground. This shorting bar may be removed and a DC potential in the range of 0 to + 0.5 Volts applied. This DC potential may reduce the amount of spurious CW feedthrough and may slightly reduce the output pulse width.

CAUTION: Do not exceed +0.5 V as this will damage the unit.

- 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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