



AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
SINCE 1975

□ P.O. BOX 265
OGDENSBURG, NY
U.S.A. 13669-0265
TEL: (315) 472-5270
FAX: (613) 226-2802

TEL: 1-800-265-6681
FAX: 1-800-561-1970

e-mail: info@avtechpulse.com
<http://www.avtechpulse.com>

□ P.O. BOX 5120 STN. F
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802

INSTRUCTIONS

MODEL AVHF-3 COMB GENERATOR

- 1) This unit requires a CW 500 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 +0.5V 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:

Tel: (613) 226-5772
Fax: (613) 226-2802
e-mail : info@avtechpulse.com