



# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
SINCE 1975

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## INSTRUCTIONS

### MODEL AVX-M3-S

The AVX-M3 transformer is designed to provide a match from 50 Ohms to 12.5 Ohms with a rise time of 100 ps or less with pulse widths as high as 10 ns (35 Volts max). The 12.5 Ohm load should be soldered between the centre conductor and either ground pad of the output microstrip line.

The rise time and voltage ratio of the transformer were confirmed by connecting a 16 Ohm resistive load and a 50 Ohm sampling scope input line to the transformer output.

**CAUTION:** Use minimal heat when soldering to the transformer.

