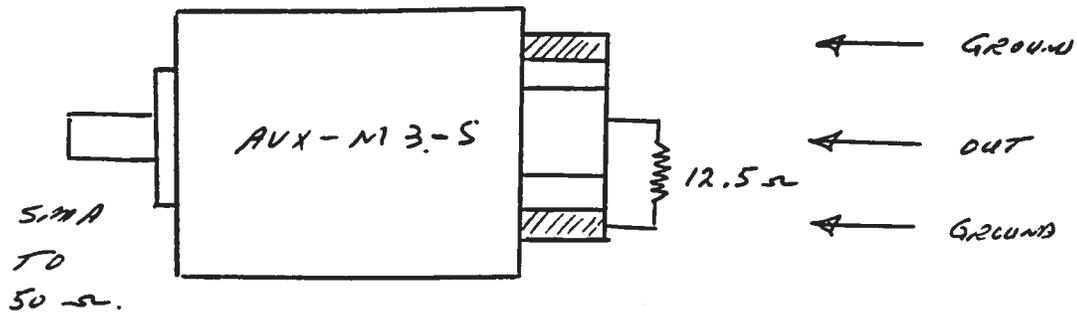


**AVTECH****AVTECH ELECTROSYSTEMS LTD.**NANOSECOND WAVEFORM ELECTRONICS  
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FAX: (613) 226-2802TEL: 1-800-265-6681  
FAX: 1-800-561-1970  
U.S.A. & CANADA☒ BOX 5120 STN. F  
OTTAWA, ONTARIO  
CANADA K2C 3H4  
TEL: (613) 226-5772  
FAX: (613) 226-2802INSTRUCTIONSMODEL AVX-M3-S

The AVX-M3-S 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. 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.



\* -SMA option: For units with the SMA option, the 12.5 Ohm load must be placed as near as possible to the OUT SMA connector.