

# AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS  
ENGINEERING . MANUFACTURING

P.O. BOX 265  
OGDENSBURG  
□ NEW YORK  
13669  
(315) 472-5270

BOX 5120 STN. "F"  
OTTAWA, ONTARIO  
☒ CANADA K2C 3H4  
(613) 226-5772  
TELEX 053.4591

## AVX-SP-2 Transformer

The AVX-SP-2 transformer is designed for use with the Avtech AVL series of pulse generators to provide an impedance match for the 50 ohm output impedance to 450 resistive loads. The 450 $\Omega$  load is soldered to the solder output terminals on the transformer chassis while the AVL output is applied to the 50 ohm SMA input connector. The basic specifications of the transformer are as follows:

Rise time:	<5.0 nsec
Droop:	<10% for 500 nsec pulse width
Impedance ratio:	1:9
Connectors:	SMA and solder terminal
Maximum input voltage:	250 volts