

AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING . MANUFACTURING

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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 Ω 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 |