



5/8" (16MM) SQUARE / SINGLE-TURN / MODULAR / VARIABLE ATTENUATORS / STRAIGHT T-PAD

Models 81/82 & 91/92

Bourns® Variable Attenuators

ATTENUATOR SPECIFICATIONS

- The impedance of the attenuator is 600 ohms $\pm 10\%$ or $\pm 20\%$ from DC through 15KHz and throughout the attenuation range when connected in the straight T-Pad configuration as shown in the schematic to a 600 ohm $\pm 1\%$ source and a 600 ohm $\pm 1\%$ load.
- Attenuation range is 30dB minimum.
- Insertion loss, or minimum attenuation at output, 0.2dB with shaft in full CW position.
- Adjustability ± 1.0 dB from 0.5 to 20 dB attenuation and ± 0.2 dB from 20 dB to maximum attenuation.
- In T-Pad configuration this model will withstand 10 DC voltage surges (5 each polarity) of 550 volts peak within a 10 minute period. Voltage surge characteristics to have a rise time of 100 v/sec. minimum and a decay time of 1/2 peak voltage in ≥ 1 millisecond.
- Customer part number and identification labelling is available on these attenuators.

The attenuator is most widely used in line balancing and voltage monitoring applications. The unique characteristic of this component is that it will remain input and output impedance at an equal and constant level as the amount of attenuation is varied.

We offer a straight T, 600 ohm attenuator, that is extremely reliable, will withstand repeated high voltage surges without excessive change in impedance, has been customer qualified to REA specification PE-61, and offers a truly competitive price and delivery time.

STRAIGHT T ATTENUATOR SCHEMATIC

