

41 dB 50 ohm 1 GHz Step Attenuator

Our 50 Ohm step attenuator is available with BNC connectors. RF dB attenuation value are a total of 41 dB. The resolution is 1 dB using UHF DPDT switches. The frequency range of the AT150 50 Ohm step attenuator is from DC to 1 GHz. These attenuators are ideal for ham radio application when testing receivers and bench test equipment.

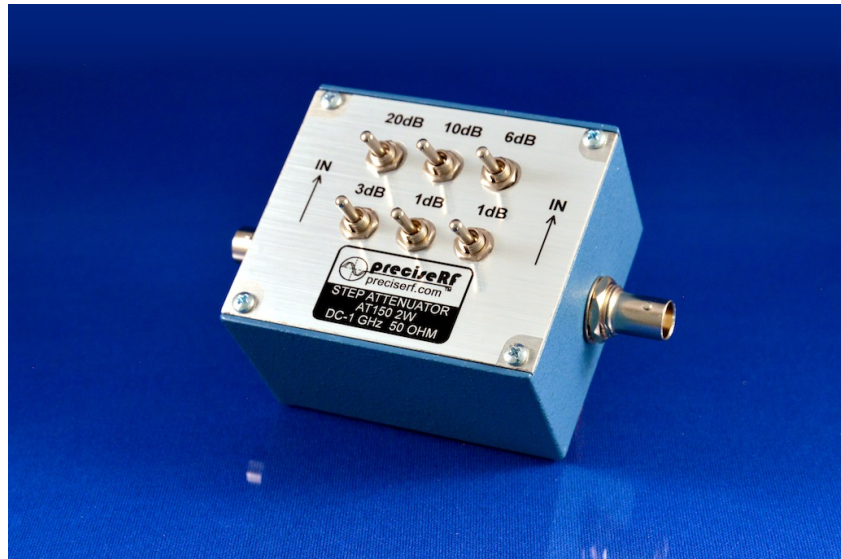
Features:

- ✦ DC-1GHz Bandwidth
- ✦ 50 ohm strip line design
- ✦ UHF DPDT switches
- ✦ Pi-Pad attenuators
- ✦ 20, 10, 6, 3, 1, 1, dB attenuation
- ✦ Rugged Shielded case
- ✦ Ergonomically configured switches
- ✦ Excellent accuracy

Fixed and step attenuators are designed for use in a wide variety of signal conditioning and level control applications. Attenuators are generally used to reduce signal levels, improve matching impedances of sources and loads, and measure the gain or loss of two-port devices. Step attenuators are an ideal companion product in your ham radio shack. With a step attenuator you can check the calibration of your “S” meter, the sensitivity of your receiver or the dynamic range of low level amplifiers.

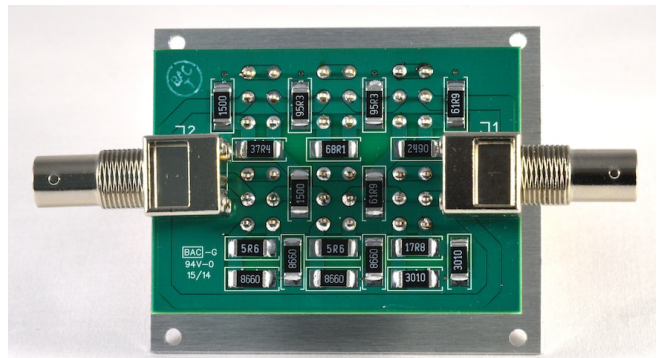
Step attenuators are passive devices and require no power, and with proper care will last a life time. Non-the-less, these step attenuators are precision measurement devices. They must be designed, manufactured and tested to meet accuracy and reliability demanded in the engineering lab and ham shack.

Particular attention should be paid to the maximum power limits. While not delicate, these step attenuators are not designed to handle the power of transmitters or high power signal generators.



High Performance Rugged Construction

The AT150 50 ohm step attenuators are manufactured to precise industry standards. The attenuator is housed in an RF shielded Pomona die-cast aluminum case. All attenuation ranges are built from selected 1% surface mount components using



proven Pi-Pad attenuators. The construction uses computer designed 50 ohm strip lines for excellent frequency response and repeatable attenuation settings. The switching configuration has been chosen to best fit ergonomic requirements.



Precision Ham Radio Measurements

DATA SHEET
AT150 STEP ATTENUATOR®

Specifications:

Item	Specification
Total Attenuation	41 dB
Number of steps	6
Attenuation steps	20dB, 10 dB, 3dB, 1 dB, 1dB
Minimum attenuation	0 dB
Impedance	50 ohms
Frequency range	DC-1000 MHz
Maximum Power	2 Watts
Accuracy	+/- 1dB
Return Loss	> 30 dB
VSWR Maximum	1.14:1
Connector	BNC

All products are calibrated and tested to meet or exceed published specifications. The optional NIST calibration certificate is provided for users needing a calibration reference showing the actual performance achieved. This calibration is done using NIST traceable instruments. Some test and measurement equipment was calibrated at the PreciseRF laboratory using NIST traceable instruments. The item calibrated may be used as a calibration reference only, and shall not be used as a NIST calibration standard. This certificate shall not be reproduced without the express written permission from the calibration facility.

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