

Features

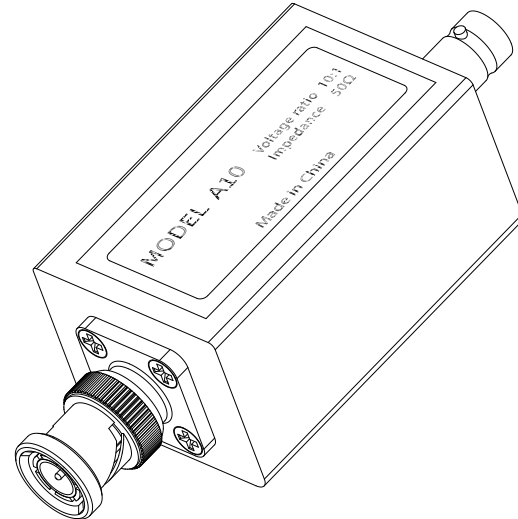
- 10:1 attenuation ratio
- Passive attenuator
- Standard BNC connector
- Small size

Advantages

- DC - 100MHz bandwidth
- 7.5V RMS / 500V peak
- DC, AC and Pulse compatible

Applications

- Signal conditioning
- Voltage monitoring
- Impedance matching



Description

The A10 is a high bandwidth attenuator, which can measure multiple single-ended signal, such as DC, AC, pulse. The A10 scaled down its input signal and outputs

low voltage, which can easily be processed by universal instruments, such as oscilloscope, power analyzer, etc. The 100 MHz bandwidth enables you to measure fast signals.

Specifications

| Electrical | | | | |
|----------------------|-----------------|---------|----------------|---------|
| Parameter | Test conditions | Minimum | Typical values | Maximum |
| Voltage ratio | | | 10:1(-20dB) | |
| Midband accuracy | @ 25°C | | ±1% | |
| Bandwidth(-3dB) | | | DC-100MHz | |
| Maximum peak voltage | | | 500V | |
| Maximum RMS voltage | | | 7.5V | |
| Rise time | | | 5ns | |
| Input impedance | | | 50Ω | |
| Output impedance | | | 50Ω | |

| Environmental and mechanical characteristics | |
|--|------------|
| Operation temperature | 0°C ~ 65°C |
| Storage temperature | 0°C ~ 80°C |
| Weight | 142g |
| Connector | BNC |

Testing Setup

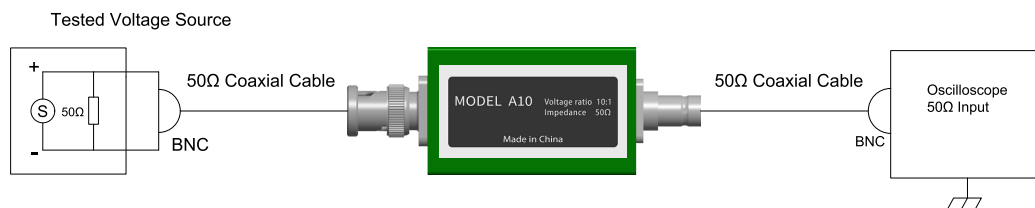
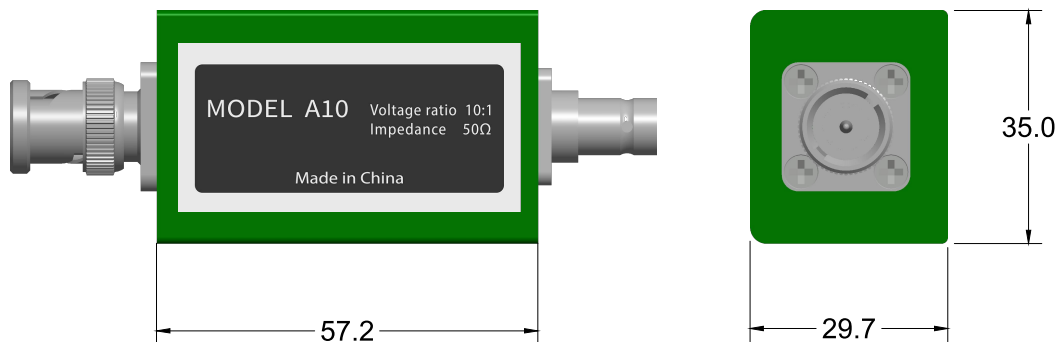
1. Connect the output voltage to the DAQ/instrument whose input impedance must be 50Ω.
2. Connect the measurement voltage source whose output impedance is 50Ω to the input, make sure the tested voltage is off before connecting.
3. Turn the tested voltage on.

Disassemble

Ensure that the tested voltage source is turned off, then remove the tested voltage wire and the output wires.

Dimensions (in mm)

Standard BNC Connector



Ordering Code

E.g. **A10**

If you have queries regarding the A10 or require specifications outside standard ranges, please do not hesitate to contact us.

Safety

Do not connect or disconnect sensor or test leads in operation.

To avoid fire or shock hazard, observe all ratings and markings on the product carefully.

If you suspect there is damage to this product, have it inspected by qualified service personnel.

Do not touch exposed connections and components in operation.

Do Not Operate in Wet/Damp Conditions.

Do Not Operate in an Explosive Atmosphere.

Keep Product Surfaces Clean and Dry.

Warning

The service instructions are for use by qualified personnel only. To avoid personal injury, do not perform any servicing unless you are qualified to do so. Refer to all safety contents prior to performing service.