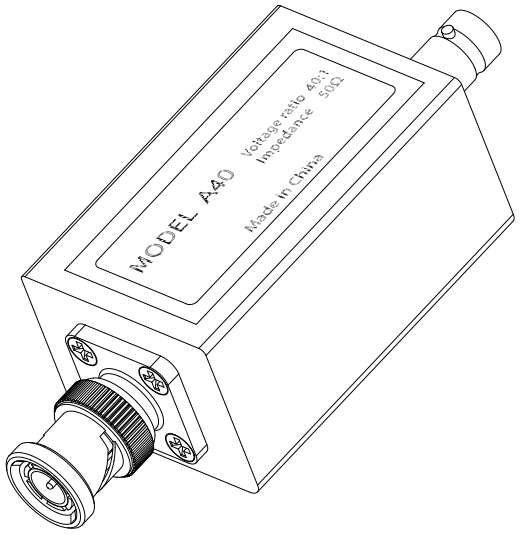
Features

40:1 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 A40 is a high bandwidth attenuator, which can measure multiple single-ended signal, such as DC, AC, pulse. The A40 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			40:1(-32dB)	
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	

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

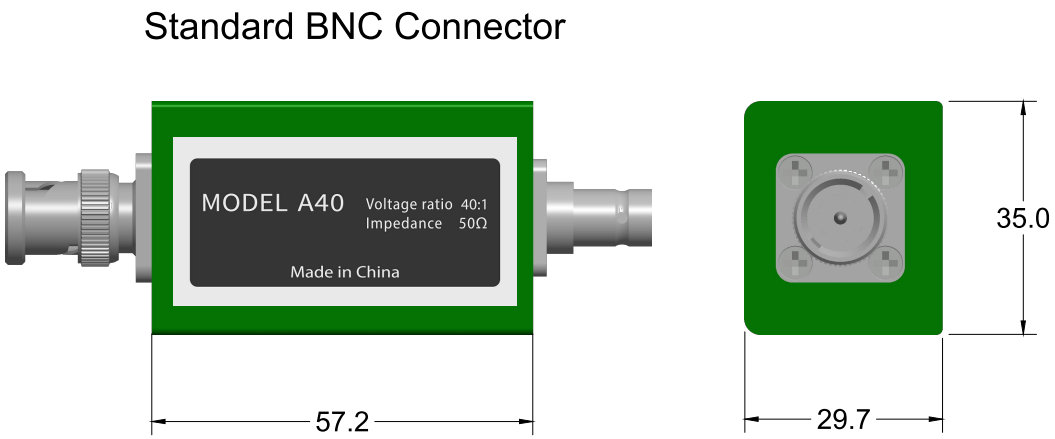
Testing Setup

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)



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Ordering Code

E.g. **A40**

If you have queries regarding the A40 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.

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