

# Insulated BNC to 4mm Banana Jack Attenuators

**CT4448-#**



## Features:

- Fully insulated
- Usable in high category environments, i.e., 1,000 V CAT II / 600 V CAT III
- Bridges oscilloscope functionality with DMM test lead durability
- Broadens the application range of low input voltage oscilloscopes
- Three convenient attenuations - 10x, 20x, and 100x
- Excellent for lower frequency measurements (<100 kHz)
- Connects to 4mm sheathed or standard unsheathed banana plugs
- CE listed
- RoHS 2 compliant

## Description:

The CT4448 is rated to 1,000 V CAT II / 600 V CAT III.<sup>a</sup>

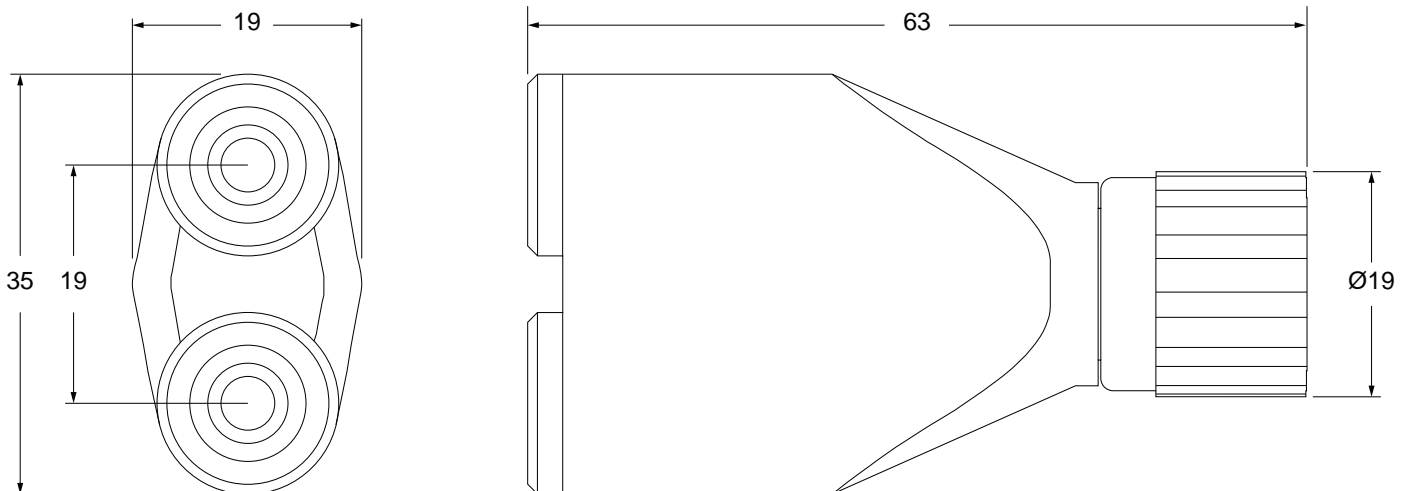
These attenuators are ideal for lower frequency (<100 kHz) but higher voltage applications where safety calls for more robust probes and leads than standard oscilloscope probes. Using 4 mm DMM probes and/or insulated alligator clips provides a safer, more durable handheld test setup.

The CT4448 provides 1 M $\Omega$  impedance and accepts 4 mm sheathed banana plugs allowing for work in higher voltages and CAT environments such as electrical panel mains.

Selecting an adapter with the appropriate attenuation factor can reduce the input voltage to the range for your application and equipment. This is especially critical for oscilloscopes with a low input voltage such as portable USB or wireless types.

a. Must be used in conjunction with other similarly rated products.

## Mechanical Drawing: Dimensions in mm, not to scale



Specifications and appearance subject to change without notice  
D444800 122420

## Order Information:

### CT4448-#

Insulated BNC to 4mm Banana Jack Attenuator

- Attenuation - replace '-#' with dash number:  
-10, -20, -100

## Specifications:

Attenuation (Voltage)	10x	20x	100x
Accuracy	±5%	±6%	
Max Voltage	1400 Vpeak		500 Vpeak
Impedance	1 MΩ		
Frequency Range	DC to 100 kHz		
Pollution Degree	2		
Temperature	+5° to +40° C		
Relative Humidity	80% up to 31°C; decreasing linearly to 51% at 40°C		
Safety	IEC 61010-031:2105, 1,000 V CAT II / 600 V CAT III		
RoHS (2011/65/EU)	Compliant		



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**WARNING** The measurement category is the lowest of the assembled products.

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