

## Cleaning

Use the following guidelines:

- Clean only the exteriors of any adapter. Use a soft cotton cloth moistened with a mild detergent and water solution. Do not allow any portion of the part to be submerged at any time.
- Dry the adapter thoroughly before attempting to make any voltage measurement.
- Do not subject the products to solvents or solvent fumes as these can cause deterioration of the body, cables and/or dielectrics.



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UserMan\_CT3382A\_r01

# CT3382A

*Precision 50Ω BNC Attenuator Kit*

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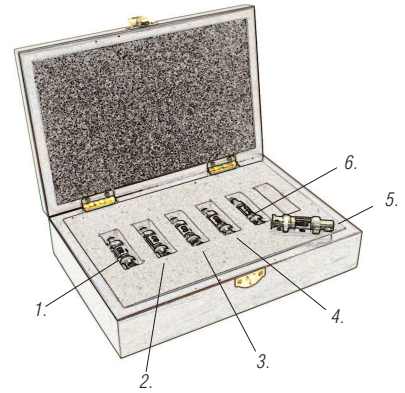
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- Call: 714-221-9330
- Email: [info@caltestelectronics.com](mailto:info@caltestelectronics.com)
- Worldwide: <http://www.caltestelectronics.com>

## Kit Components



Item.	Description	Model	Quantity
a.	BNC male-female Attenuator	CT3369A-03	1
b.	BNC male-female Attenuator	CT3369A-06	1
c.	BNC male-female Attenuator	CT3369A-08	1
d.	BNC male-female Attenuator	CT3369A-10	1
e.	BNC male-female Attenuator	CT3369A-14	1
f.	BNC male-female Attenuator	CT3369A-20	1

## Specifications

Max. Operating Temp ..... -20° to +120° C  
 Humidity ..... 85% RH or less (at 35° C)  
 Impedance ..... 50  $\Omega$   
 Frequency Range ..... 4 GHz  
 VSWR Max ..... 1.25:1 @ 4 GHz Max  
 Power: 2 W Avg. .... 250 W Peak  
 Attenuation

Item.	Description	Attenuation	Attenuation (dB)
a.	BNC male-female Attenuator	1.3x	3 dB $\pm 0.5$
b.	BNC male-female Attenuator	2x	6 dB $\pm 0.5$
c.	BNC male-female Attenuator	2.5x	8 dB $\pm 0.5$
d.	BNC male-female Attenuator	3.2x	10 dB $\pm 0.5$
e.	BNC male-female Attenuator	5x	14 dB $\pm 0.5$
f.	BNC male-female Attenuator	10x	20 dB $\pm 0.5$



**WARNING.** The measurement category of a combination of components is the lowest of the combination.

Body ..... Brass, Nickel Plated  
 Dielectric ..... PTFE  
 Contacts ..... Brass & BeCu, Gold Plated

## Warranty

Cal Test Electronics warrants this product for normal use and operation within specification for a period of one (1) year from the date of shipment (accessories and manual not included).

In exercising its warranty, Cal Test Electronics, at its option, will either repair or replace any assembly returned within the warranty period. However, this will be done only if the product is determined by Cal Test Electronics' examination to be defective because of workmanship or materials, and the defect is not caused by misuse, neglect, accident, abnormal conditions of operation, or damaged by attempted repair or modifications by non-authorized facility.

The customer will be responsible for the transportation and insurance charges for the return of products. Cal Test Electronics will return all products under warranty with transportation charges prepaid. (Continental U.S. only.)

This warranty replaces all other warranties, expressed or implied, including, but not limited to, any implied warranty of merchantability, fitness, or adequacy for any particular purpose or use. Cal Test Electronics shall not be liable for any special, incidental or consequential damages, whether in contract or otherwise.



This electronic product is subject to disposal and recycling regulations that vary by country and region. Many countries prohibit the disposal of waste electronics equipment in standard waste receptacles.

Made in Taiwan

## General Safety Information

To avoid personal injury and to prevent fire or damage to attenuator or any product connected to them, review and comply with the following safety precautions.

Use of these attenuators or test instrument they are connected to in a manner not specified by the manufacturers may impair protection mechanisms.

### To avoid Personal Injury and Product Damage:

**Connect to properly grounded instruments.** Use only with test instruments having their inputs connected to earth ground. Do not connect the ground shells to any point which is at a potential other than earth ground.

**Do not disconnect the attenuators from instrument during measurement.** Connect the cable or adapters to the measurement instrument before connecting to the test circuit.

**Do not apply to their inputs any potential that exceeds the maximum rating of the attenuators.**

**Do not use if any part is damaged.** All maintenance should be referred to a qualified service personnel only.

**Do not use in wet or explosive atmospheres.**

**For indoor use only.**

## Basic Operation

Model CT3382 is a general purpose accessory kit for use with most all general purpose bench top power supplies.

## Symbols and Terms

These terms may appear in this manual:



**WARNING.** Warning statements identify conditions or practices that could result in injury or loss of life.



**CAUTION.** Caution statements identify conditions or practices that could result in damage to this product or other property.

The following symbols may appear on the product:



**DANGER**  
High Voltage



**ATTENTION**  
Refer to Manual



**DOUBLE**  
**INSULATION**



**Protective**  
**(EARTH) TERMINAL**