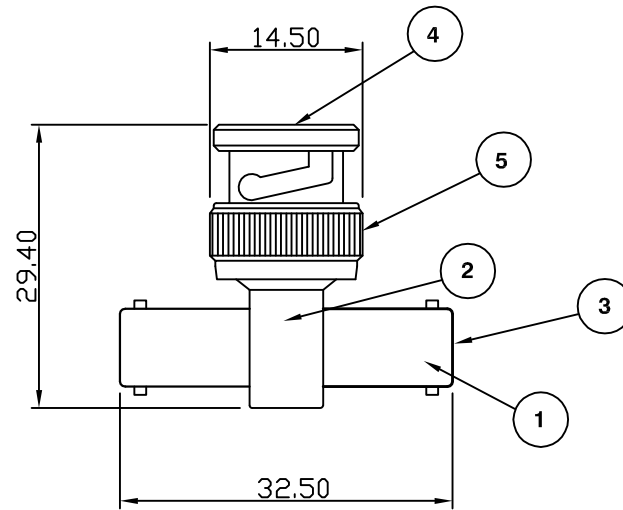


RoHS COMPLIANT



**Electrical Characteristics**

Nominal Impedance: 50 ohms  
 Frequency Range: DC to 4 GHz  
 VSWR: 1.35:1  
 Insertion Loss: 0.2dB @ 3GHz  
 RF Leakage: -55dB min @ 3GHz  
 Power: 0.25 Watts  
 Operating Voltage (rms): 500 V maximum at sea level  
 Dielectric Withstand Voltage (rms): 1500 V maximum at sea level  
 Contact Resistance: 1.5 milliohms maximum

**Mechanical Characteristics**

Mating Cycles: 500 cycles minimum  
 Interface Dimensions: Conform to MIL-C-39012

**Environmental Characteristics**

Temperature Range: -55 °C to +85 °C

|   | PART       | DESCRIPTION                            |
|---|------------|--|
| 1 | Body       | Brass, nickel plated 1.78 µm minimum   |
| 2 | Resistor   | 50 Ohm 1/4 Watt                        |
| 3 | Contact    | Brass, gold plated 0.076 µm - 0.127 µm |
| 4 | Dielectric | Delrin                                 |
| 5 | Shell      | Brass, nickel plated 1.78 µm minimum   |

|                         |       |     |           |
|-------------------------|-------|-----|-----------|
| CAD Issue               | BT    | 1   | 18 Apr 07 |
| DESCRIPTION OF REVISION | APPVD | ISS | DATE      |



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SCALE: Not To Scale

DIMENSIONS: mm

TOLERANCES:  
 ± 0.2mm unless  
 otherwise stated

DRAWN BY:

B Thomas

CHECKED BY:

R Presland

APPROVED BY:

M Spooner

DATE:

18 Apr 07

TITLE:

BNC 50 Ohm  
 Auto Terminator 1/4 W

PART NUMBER:

**VBT109**

PAGE: 1 of 1