



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	DRAWN BY:	B Thomas
DIMENSIONS: mm	CHECKED BY:	R Presland
TOLERANCES: ± 0.2mm unless otherwise stated	APPROVED BY:	M Spooner
	DATE:	18 Apr 07

TITLE:
**BNC 50 Ohm
Auto Terminator 1/4 W**

PART NUMBER:
VBT109

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