

# Non-reflective Terminations (BNC)

## BNC-TM Series



### ■ Features

#### 1. High Performance

These wide bandwidth/ultra high matching non-reflective termination use Hirose Electric original high frequency matching technology.

#### 2. Full Assortment of 50 ohms and 75 ohms Types

In addition to the 50 ohms impedance type, plugs and jacks are available in a 75 ohms type.

### ■ Product Specifications

Ratings	Frequency range (Note) Characteristic impedance Maximum Input Power (Note)	DC to 3.0 GHz 50 ohms, 75 ohms 0.5 to 1 W	Operating temperature range Operating relative humidity	-10°C to +65°C 95% Max.
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Note: The frequency range and the maximum input power will differ depending on the products.

Item	Standard	Conditions
1. Vibration	No electrical discontinuity of 1 μs or more No damage, cracks, or parts dislocation	Frequency of 10 to 2000 Hz, overall amplitude of 1.52 mm, acceleration of 98 m/s <sup>2</sup> for 2 hours in each of 3 directions
2. Shock		Acceleration of 490 m/s <sup>2</sup> , sine half-wave waveform, 3 cycles in each of the 3 axis
3. Temperature cycle	No electrical discontinuity of 1 μs or more	Temperature: -55°C → +15°C to +35°C → +85°C → +15°C to +35°C Time: 30 → 15 max. → 30 → 15 max. (Minutes) 100 cycles

● The test method conforms to MIL-STD-202.

### ■ Materials

Part	Material	Finish
Connector Body	Brass	Nickel plating
Insulator	PTFE	—
Male contacts	Brass	Gold plating
Female contacts	Beryllium copper	Gold plating
Resistor	Metal film	—
Cover	PVC	—

### ■ Ordering Information

**BNC - TM P - 05 - 1 (41)**  
 ① ② ③ ④ ⑤ ⑥

① Series Name: BNC Series	④ Power (Example) : 05: 0.5 W
② TM: Indicates a non-reflective termination	1 : 1 W
③ Connector type P: Plug type J: Jack type	⑤ Suffix
	⑥ (4*): RoHS Compliant

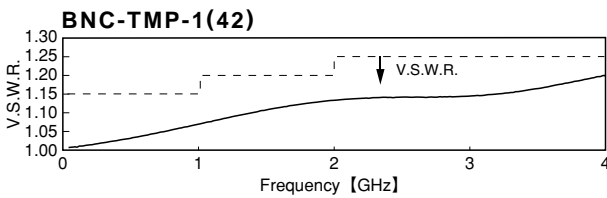
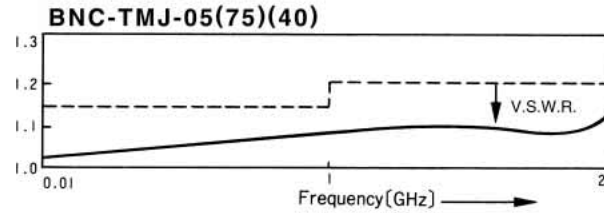
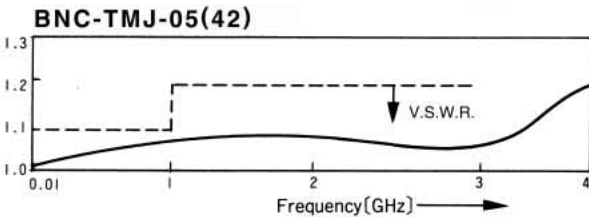
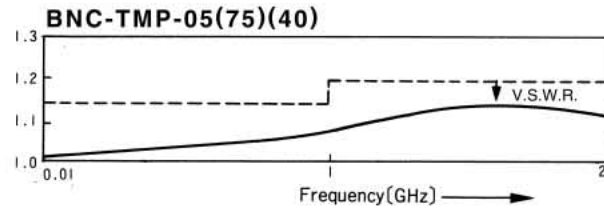
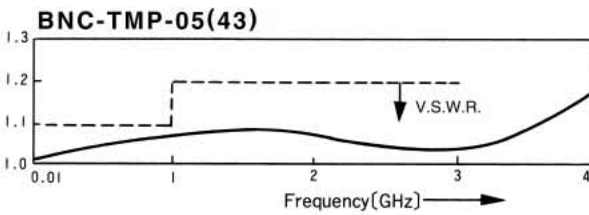
**BNC-TM Series Non-reflective Terminations (BNC)**

**Specifications**

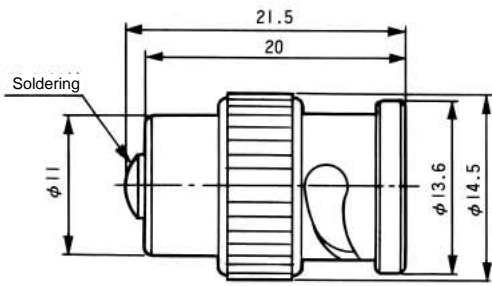
Part Number	Frequency Range (GHz)	V.S.W.R. (Max)	Power (W)	Impedance (Ohms)	Direct Current Resistance	Connectors	Weight (g)	RoHS
BNC-TMP-05(43)	DC~1 1~3	1.10	0.5	50	50±0.5	BNC-P	15	YES
BNC-TMJ-05(42)		1.20	0.5	50	50±0.5	BNC-J	10	
※1 BNC-TMP-05-1(41)	DC~0.1	1.10	0.5	50	50±0.5	BNC-P	15	
※1 BNC-TMJ-05-1(41)			0.5	50	50±0.5	BNC-J	10	
※2 BNC-TMP-05-2(42)	DC~1 1~3	1.10	0.5	50	50±0.5	BNC-P	16	
※2 BNC-TMJ-05-2(42)		1.20	0.5	50	50±0.5	BNC-J	11	
BNC-TMP-05(75)(40)	DC~0.5 0.5~2	1.15	0.5	75	75±2.25	BNC-P(75)	14	
BNC-TMJ-05(75)(40)		1.20	0.5	75	75±2.25	BNC-J(75)	9	
BNC-TMP-1(42)	DC~1	1.15	1	50	50±2	BNC-P	16	
	1~2	1.20						
	2~4	1.25						

※1 Low-cost items with DC to 100 MHz bandwidth limit.  
 ※2 Cover fitting type

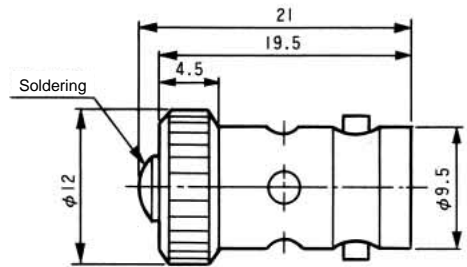
**Typical Data**



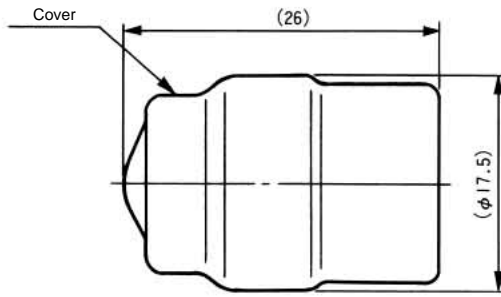
## External Dimensions



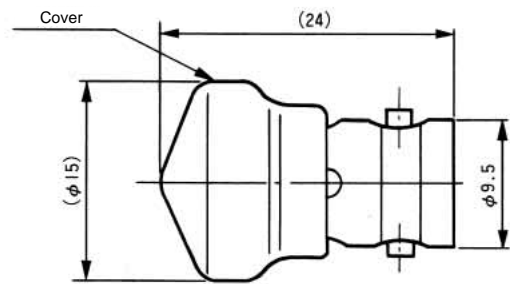
**BNC - TMP - 05(43)**  
**BNC - TMP - 05-1(41)**  
**BNC - TMP - 05(75)(40)**



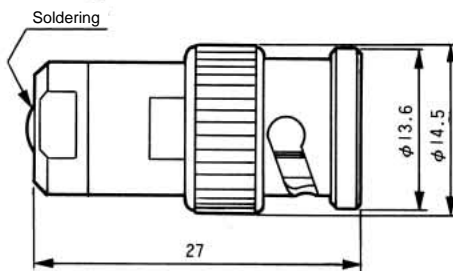
**BNC - TMJ - 05(42)**  
**BNC - TMJ - 05-1(41)**  
**BNC - TMJ - 05(75)(40)**



**BNC - TMP - 05-2(42)**



**BNC - TMJ - 05-2(42)**



**BNC - TMP - 1(42)**

※BNC-TMP/TMJ-05 Series have a 50 ohms or 75 ohms indication for each characteristic impedance.