

## 75 Ohm BNC Tee Adapter Female-Male-Female

**PE910111**



### Configuration

- BNC Female Connector 1
- BNC Male Connector 2
- BNC Female Connector 3
- 75 Ohms Impedance
- Tee Body Geometry

### Features

- Max VSWR of 2:1

### Applications

- General Purpose Test
- CATV

### Description

Pasternack's PE910111 75 ohm BNC Tee adapter female-male-female is part of our full line of RF components available for same-day shipping. Our BNC tee adapter has a female-male-female gender configuration. The Pasternack RF adapter provides good VSWR of 2:1 maximum. Tee adapters (also called tee connectors) are three port devices that can be used to split or combine a signal. Unlike power dividers/combiners, however, they do not provide matched impedance at all ports.

RF adapters are often used to enable connections between two connector types that would otherwise not mate. Certain adapter configurations can also be used to protect connectors on expensive equipment where the number of connect/disconnect cycles is high. An RF, microwave or millimeter wave adapter is connected to the equipment, and the commonly changed connection is made with the adapter which can be easily replaced when it wears out after high usage; such adapters are referred to as connector savers. Pasternack also offers bulkhead, panel mount, hermetically sealed, reverse polarity, and isolated ground adapter varieties to serve all of your RF, microwave and millimeter wave needs.

### Electrical Specifications

| Description                          | Minimum | Typical | Maximum | Units |
|--------------------------------------|---------|---------|---------|-------|
| Impedance                            |         | 75      |         | Ohms  |
| VSWR                                 |         |         | 2:1     |       |
| Operating Voltage (AC)               |         |         | 500     | Vrms  |
| Dielectric Withstanding Voltage (AC) |         |         | 1,500   | Vrms  |
| Inner Conductor DC Resistance        |         |         | 1.5     | mOhms |
| Outer Conductor DC Resistance        |         |         | 1       | mOhms |
| Insulation Resistance                | 5,000   |         |         | MOhms |

### Electrical Specification Notes:

This adaptor is a non-matched 3db divider for low frequency applications.

### Mechanical Specifications

#### Size

|        |                    |
|--------|--------------------|
| Length | 1.28 in [32.51 mm] |
| Width  | 0.57 in [14.50 mm] |
| Height | 1.11 in [28.30 mm] |
| Weight | 0.10 lbs [45.36 g] |

## 75 Ohm BNC Tee Adapter Female-Male-Female



**PE910111**

| Description                          | Connector 1                       | Connector 2                       |
|--------------------------------------|-----------------------------------|-----------------------------------|
| Polarity                             | Standard                          | Standard                          |
| Mating Cycles, Min                   | 500                               | 500                               |
| Mating Torque                        | 0.6 to 2.5 in-lbs 0.07 to 0.28 Nm | 0.6 to 2.5 in-lbs 0.07 to 0.28 Nm |
| Contact Captivation Axial Force, Min | 6.1 lbs [2.77 kg]                 | 6.1 lbs [2.77 kg]                 |
| Coupling Retention, Min              | 101.2 lbs [45.9 kg]               | 101.2 lbs [45.9 kg]               |

### Material Specifications

| Description     | Connector 1     |                       | Connector 2 |                              |
|-----------------|-----------------|-----------------------|-------------|------------------------------|
|                 | Material        | Plating               | Material    | Plating                      |
| Type            | BNC Female      |                       | BNC Male    |                              |
| Contact         | Phosphor Bronze | Copper-Tin-Zinc Alloy | Brass       | Gold over Nickel over Copper |
| Insulation      | PTFE            |                       | PTFE        |                              |
| Outer Conductor | Brass           | Copper-Tin-Zinc Alloy | Brass       | Copper-Tin-Zinc Alloy        |
| Body            | Brass           | Copper-Tin-Zinc Alloy | Brass       | Copper-Tin-Zinc Alloy        |
| Gasket          | Silicone        |                       | Silicone    |                              |
| Washer          | Brass           |                       | Brass       |                              |

### Environmental Specifications

#### Temperature

Operating Range

-65 to +165 °C

Humidity

MIL-STD-202, Method 106

Thermal Shock

MIL-STD-202, Method 107, Condition B

Salt Spray

MIL-STD-202, Method 101, Condition B

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

75 Ohm BNC Tee Adapter Female-Male-Female from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [75 Ohm BNC Tee Adapter Female-Male-Female PE910111](#)

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

PE910111 CAD Drawing
75 Ohm BNC Tee Adapter Female-Male-Female

