



10 dB Fixed Attenuator, TNC Male To TNC Female Brass
Nickel Body Rated To 2 Watts Up To 12.4 GHz

TECHNICAL DATA SHEET

PE7051-10

10 dB Fixed Attenuator, TNC Male To TNC Female Brass Nickel Body Rated To 2 Watts Up To 12.4 GHz

Configuration

| | |
|---------------------------|---------------------------------|
| Design | Fixed, Bidirectional Attenuator |
| Connector 1 | TNC Male |
| Connector 2 | TNC Female |
| Body Material and Plating | Brass, Nickel |

Electrical Specifications

| | |
|----------------------------|------------|
| Frequency Range, GHz | DC to 12.4 |
| Impedance, Ohms | 50 |
| Attenuation Value, dB | 10 |
| Maximum Input Power, Watts | 2 |
| Maximum VSWR | 1.25:1 |

Frequency 1

| | |
|--------------------------|------------|
| Range, GHz | DC to 12.4 |
| VSWR | 1.25:1 |
| Attenuation Accuracy, dB | ± 0.5 |

Mechanical Specifications

Size

| | |
|-----------------|--------------|
| Length, in [mm] | 1.35 [34.29] |
| Width, in [mm] | 0.59 [14.99] |

Connector 1

| | |
|-----------------------------------|------------------------|
| Type | TNC Male |
| Connector Specification | MIL-STD-348 |
| Contact Material and Plating | Beryllium Copper, Gold |
| Coupling Nut Material and Plating | Brass, Nickel |
| Body Material and Plating | Brass, Nickel |

Connector 2

| | |
|------------------------------|------------------------|
| Type | TNC Female |
| Connector Specification | MIL-STD-348 |
| Contact Material and Plating | Beryllium Copper, Gold |
| Body Material and Plating | Brass, Nickel |

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|----------------|-----|
| RoHS Compliant | Yes |
|----------------|-----|

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [10 dB Fixed Attenuator, TNC Male To TNC Female Brass Nickel Body Rated To 2 Watts Up To 12.4 GHz PE7051-10](#)

The information contained in 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 reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.



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Plotted and Other Data

Notes:

Values at 25 °C, sea level

10 dB Fixed Attenuator, TNC Male To TNC Female Brass Nickel Body Rated To 2 Watts Up To 12.4 GHz from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and fiber optic products maintain a 99% availability and are part of the broadest selection in the industry.

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PE7051-10 CAD Drawing

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| P/N | ATTEN. | FIGURE |
|-----------|--------|--------|
| PE7051-1 | 1 dB | 1 |
| PE7051-2 | 2 dB | 1 |
| PE7051-3 | 3 dB | 1 |
| PE7051-6 | 6 dB | 1 |
| PE7051-10 | 10 dB | 1 |
| PE7051-20 | 20 dB | 1 |
| PE7051-30 | 30 dB | 1 |
| PE7051-40 | 40 dB | 1 |

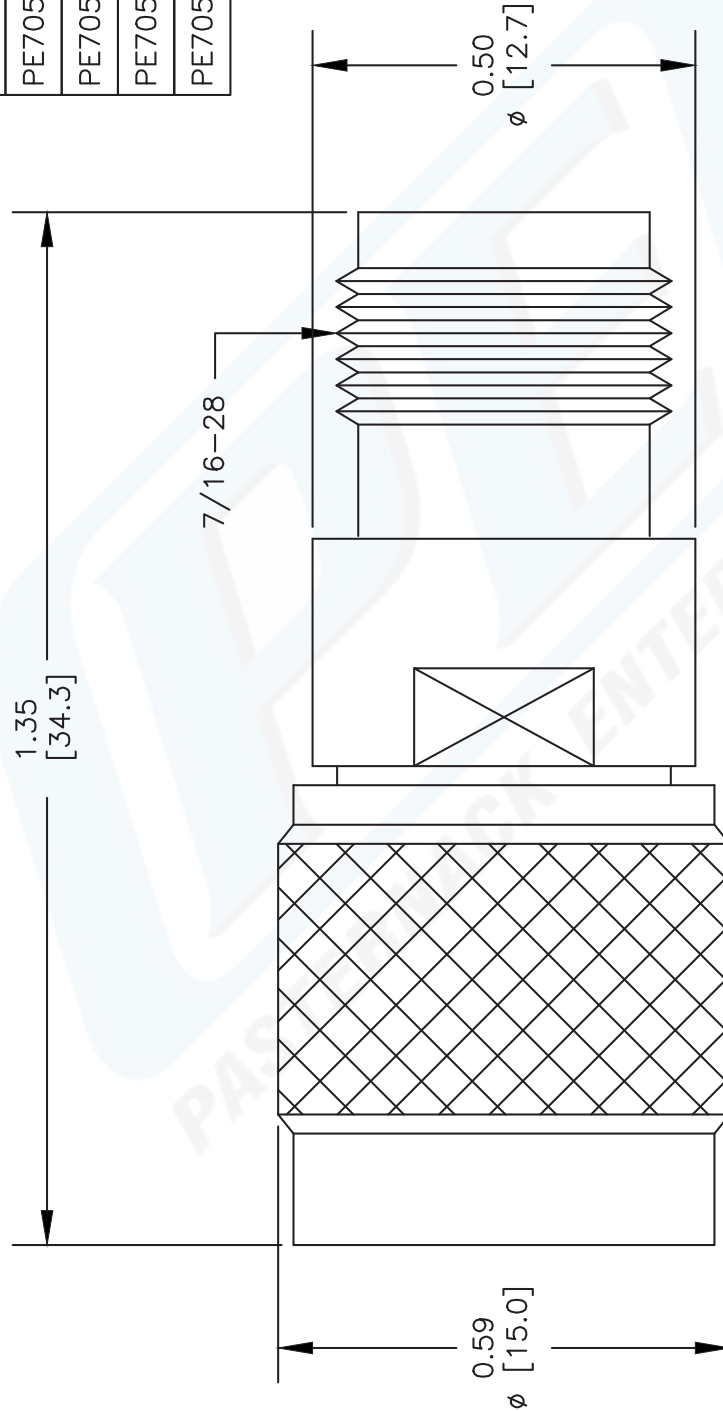


FIGURE 1 TNC MALE TNC FEMALE

NOTES:
1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
3. DIMENSIONS ARE IN INCHES [mm].

DWG TITLE

PE7051

FSCM NO. 53919

CAD FILE 030613

SCALE N/A

SIZE A

XXX

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