

## Model 3T Model 4T Ruggedized SMA Connectors

dc to 12.4 GHz  
dc to 18.0 GHz  
2 Watts



### Features

- /// Rugged injection molded connectors.
- /// Designed to meet environmental requirements of MIL-DTL-3933.
- /// Small Package Size
- /// Usable to 22 GHz.

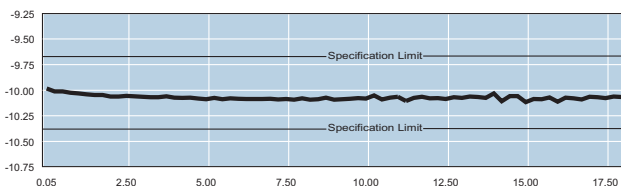
### Specifications

**NOMINAL IMPEDANCE:** 50 Ω

**FREQUENCY RANGE:** Model 3T: dc to 12.4 GHz  
Model 4T: dc to 18.0 GHz

#### MAXIMUM DEVIATION OVER FREQUENCY:

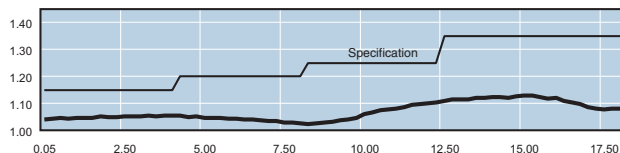
| Nominal ATTN (dB) | 3T     | 4T     |
|-------------------|--------|--------|
| 1 - 6             | ± 0.30 | ± 0.30 |
| 7 - 12            | ± 0.30 | ± 0.50 |
| 20                | ± 0.50 | ± 0.70 |
| 30, 40            | ± 0.75 | ± 1.00 |
| 50, 60            | ± 1.00 | ± 1.50 |



Typical Attenuation Performance of 4T-10

#### MAXIMUM SWR:

| Frequency (GHz) | 3T    | 4T   |
|-----------------|-------|------|
| dc - 4          | 1.15  | 1.15 |
| 4 - 8           | 1.20  | 1.20 |
| 8 - 12.4        | 1.25  | 1.25 |
| 12.4 - 18       | - - - | 1.35 |



Typical SWR of a Model 4T-10

**POWER RATING:** 2 watts **average** to 25°C ambient temperature, derated linearly to 0.5 watts at 125°C. 500 watts **peak** (5 μsec pulse width; 0.2% duty cycle).

**POWER COEFFICIENT:** < 0.005 dB/dB/watts

**TEMPERATURE COEFFICIENT:** < 0.0004 dB/dB/°C

**TEMPERATURE RANGE:** -55°C to +125°C

**TEST DATA:** Swept data plots of attenuation and SWR from 50 MHz to 12.4 / 18 GHz is available at additional cost.

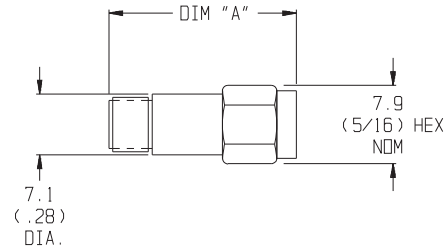
**CONNECTORS:** SMA connectors per MIL-STD-348 interface dimensions - mate nondestructively with MIL-C-39012 connectors.

**CONSTRUCTION:** Passivated stainless steel body and connectors; gold plated beryllium copper contacts.

#### WEIGHT (Both Models):

| dB VALUE   | WEIGHT (Net)    |
|------------|-----------------|
| 1 - 12     | 3.9 g (0.14 oz) |
| 20         | 4.3 g (0.15 oz) |
| 30         | 4.9 g (0.17 oz) |
| 40, 50, 60 | 6.5 g (0.23 oz) |

#### PHYSICAL DIMENSIONS:



| dB VALUE   | DIM A ± 0.5 (0.02) |
|------------|--------------------|
| 1 -12      | 21.8 (0.86)        |
| 20         | 23.9 (0.94)        |
| 30         | 26.5 (1.04)        |
| 40, 50, 60 | 34.0 (1.33)        |

NOTE: All dimensions are given in mm (inches) and are maximum, unless otherwise specified.

#### MODEL NUMBER DESCRIPTION:

Example:

**4T - XX**

Basic Model Number

Attenuation Value (dB)