



# SLIDING TERMINATIONS

## Precision TNC Connectors

### Features

- Low Reflection
- Greater than 1/2 Wavelength Travel at Lowest Frequency
- Precision Stainless Steel Connectors



Models 452A1 and 452B1

### Description

Maury model 452 sliding terminations are movable, low reflection terminations supplied with precision stainless steel TNC connectors. They are designed to cover the frequency range of 1.8 to 18 GHz and consist of a precision 7mm air transmission line with a low reflection transformer to the dielectrically loaded TNC connector and a broadband low reflection polyiron load. The loads are movable over at least one-half wavelength at their lowest rated frequency in order to reverse the phase of the reflection and separate it from other reflections present in the system.

### Specifications

Frequency Range ..... 1.8 - 18.0 GHz  
 Element VSWR ..... 1.05 maximum, 1.8 - 18 GHz  
 Travel ..... Greater than 1/2 wavelength at lowest frequency  
 Power Rating ..... 5 watts CW, 1 kW peak  
 Impedance ..... 50 ohms nominal  
 Connector ..... Precision stainless steel TNC per Maury data sheet 5E-053

### Chart

Model Number	TNC Connector	Length (Inches)
452A1	Female	16.1
452B1	Male	16.2

### Accessories

Wooden instrument case is available to house this unit as follows:

- (a) Case P/N 450-10; will house both models 452A1 and 452B1.