PRECISION FIXED TERMINATIONS

2510 SERIES WITH TYPE N CONNECTORS

Features

- ***Low VSWR***
- ***Broadband, DC to 18.0 GHz***
- ***Precision Stainless Steel Type N Connectors***

2510A7

2510B7

Description

Maury 2510 series fixed terminations are precision, broadband, low VSWR terminations that are suited to a range of general laboratory applications, and are ideal for use as vector network analyzer (VNA) calibration standards.

Models are available for VNA full bandwidth Zo calibration from DC to 18 GHz, depending on the analyzer being used and the measurement accuracy required. All models are particularly effective at lower frequencies (generally <2 GHz) where the use of sliding terminations is impractical or where size and convenience are factors. These terminations are also used to calibrate the isolation error in full two-port VNA calibration for the full range of the analyzer.

Five termination models with female or male connectors are available as shown in the ***Available Models*** table below.

Connector Description

The 2510 series terminations are fitted with Maury precision stainless steel type N connectors that are mating compatible with most of the precision type N connectors commonly used today, including those complying with MIL-C-39012 and MIL-T-81490. These connectors are rated for operation from DC to 18 GHz. For interface dimensions see Maury data sheet 5E-049.

Specifications

Frequency Range ..... See ***Available Models*** Table

VSWR ..... See ***Available Models*** Table

Power Rating ..... 1.0 watts CW
1.0kw peak

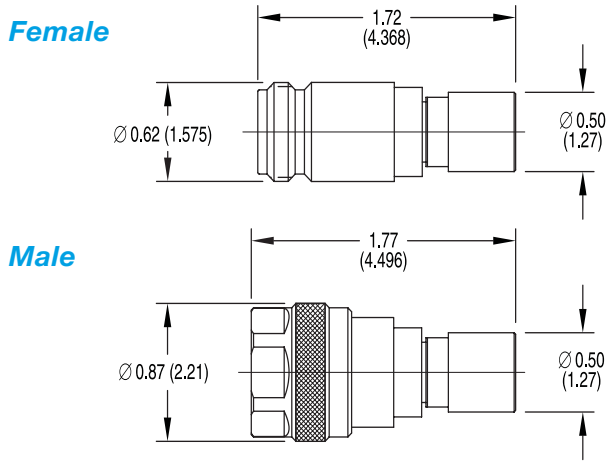
Nominal Impedance ..... 50 ohms

Connectors ..... Precision Type N per 5E-049

Available Models

Model		Frequency Range and Maximum VSWR (GHz)	VNA Calibration Data Provided
Female	Male		
2510A4	2510B4	DC – 4.0, 1.04 4.0 – 12.0, 1.10 12.0 – 18.0, 1.15	2.0 – 18.0 GHz
2510A5	2510B5	DC – 4.0, 1.04 4.0 – 18.0, 1.10	2.0 – 18.0 GHz
2510A6	2510B6	DC – 2.0, 1.02 2.0 – 4.0, 1.04 4.0 – 18.0, 1.06	2.0 – 18.0 GHz
2510A7	2510B7	DC – 2.0, 1.01 2.0 – 4.0, 1.04 4.0 – 18.0, 1.12	2.0 – 18.0 GHz
2510A8	2510B8	DC – 3.0, 1.01 3.0 – 6.0, 1.02	2.0 – 6.0 GHz

Dimensions – Inches (cm)



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