

# PRECISION ADAPTERS

## 14mm (MPC14) COAXIAL ADAPTERS (2406 AND 2407 SERIES)



### General

Maury 14mm coaxial adapters utilize a precision air dielectric connector that is fully mating compatible with and equivalent to the GR900BT connector. These connectors are often used in highly critical laboratory applications at frequencies up to 8.5 GHz. The Maury adapters feature an improved connector with a one-inch hexagonal coupling nut so that the connectors may be tightened with a calibrated <sup>1</sup> torque wrench (see page 172) for excellent connection repeatability.

In addition to coaxial adapters, Maury also offers a full line of components utilizing the 14mm precision interface. Many of these are direct replacement for the original GR models. Please contact our Sales Department for a cross reference to the original GR model numbers. Maury 14mm products also include VNA calibration kits, power standard sets, directional couplers (page 159) and noise terminations.

The adapters described below are in the model 2400 series which covers adapters to 3.5mm, type N and EIA rigid line connectors. The 3.5mm adapters can also be used for connection to SMA and 2.92mm (the frequency range is limited to 8.5 GHz by the 14mm connector). If it is required to adapt to 7mm, please see model 2607A1 (page 119).

<sup>1</sup> The torque wrenches listed are non-calibrated models. Additional fees apply for calibration.

### Specifications

Model	Adapts To	Insertion Length inches (cm)	VSWR (Maximum)
2406C1	Type N female	1.95 (4.95)	1.006 + 0.006f GHz
2406D1	Type N male	2.03 (5.16)	1.005 + 0.006f GHz
2407A1*	3.5mm female	2.01 (5.11)	1.020 + 0.006f GHz
2407B1*	3.5mm male	2.01 (5.11)	1.020 + 0.008f GHz
2417B	7/8 EIA	3.04 (7.72)	1.012 + 0.008f GHz
2418	1-5/8 EIA	3.90 (9.91)	DC — 1.0 GHz, 1.02 1.0 — 2.5 GHz, 1.03

\* Phase matched

#### Frequency Range:

Type N adapters .....	DC to 8.5 GHz
3.5mm adapters .....	DC to 8.5 GHz
7/8 EIA adapters .....	DC to 5.0 GHz
1-5/8 EIA adapters .....	DC to 2.5 GHz