

Mismatch Airlines



Description

Maury mismatch airlines have been designed as verification standards to be used in VNA calibration validation. Each mismatch airline is provided with factory S-parameters data that can be compared with user-measured S-parameters for VNA calibration validation. Measurement uncertainty is also provided, and uncertainty boundaries can be used for definitive calibration validation when used in conjunction with MT940B Insight Real-Time Uncertainty Add-On.

Recommended Accessories

Insight Calibration and Measurement Software:

Insight is the industry's first commercial software suite designed to empower VNA users and help them make better decisions by quantifying measurement uncertainty. Insight is an agnostic software tool compatible with most commercial VNAs and represents a paradigm shift in the way users approach VNA calibration, validation, measurement, visualization and analysis. More information regarding Insight can be found in data sheet [4T-023](#).

VNA Calibration Kits:

Maury offers coaxial VNA calibration kits up to 67 GHz and waveguide calibration kits up to 50 GHz in standard connector and waveguide sizes. Coaxial 2.4mm, 2.92mm, 3.5mm, 7mm and Type N calibration kits are available as fixed-load SOLT kits with either standard polynomial equations or characterized device (CD) with individually characterized standards. More information can be found in data sheets [2Z-056 \(1.85mm\)](#), [2Z-072 \(2.4mm\)](#), [2Z-073 \(2.92mm\)](#), [2Z-074 \(3.5mm\)](#), [2Z-075 \(7mm\)](#), and [2Z-076 \(Type N\)](#), [2Z-062 \(TNC\)](#), [2Z-069 \(BNC\)](#) and [3H-081 \(WR284 Through WR22\)](#).

Available Models

Model	Connector Type	Frequency Range (GHz)	Electrical Length (cm)	Electrical Length Accuracy	Impedance
7942C25	2.4mm	DC - 50.0	4.110	±0.02	25Ω
8776C25	2.92mm	DC - 40.0	14.990	±0.02	25Ω
8042C25	3.5mm	DC - 26.5	14.990	±0.02	25Ω
2603F75	7mm	DC - 18.0	5.996	±0.015	75Ω
2503H75	Type N	DC - 18.0	6.604	±0.02	75Ω

