

# PRECISION STANDARD MISMATCHES

## 2.4mm — DC TO 50 GHz

### Features

- Broadband
- Accurate
- Precision Connectors
- Calibration Provided

### Description

Maury 2.4mm precision standard mismatches are fixed coaxial terminations which are used to introduce a known VSWR into a 50 ohm transmission line system. These mismatches are rated from DC to 50 GHz, and are available in six mismatch values. They are supplied with precision 2.4mm female or male connectors and are furnished calibrated from 2 to 50 GHz utilizing a precision Vector Network Analyzer (VNA). Maury mismatches are quality constructed using stable thin film resistors and a unique grounding method to insure stable performance. The VSWR value of the mismatch is engraved on the end cap for ease of identification.

Standard mismatches are extremely useful in a wide variety of calibration and verification applications and they are quick and easy to use. They can be used to calibrate swept frequency setups utilizing couplers or bridges and scalar analyzers, verify network analyzer calibration (vector or scalar), establish impedance references in TDR measurements, etc.

Mismatch Value (VSWR)	Model		Accuracy	
	Female	Male	DC — 12 GHz	12 — 50 GHz
1.10	7933A1.10	7933B1.10	±0.08	±0.13
1.20	7933A1.20	7933B1.20	±0.09	±0.13
1.30	7933A1.30	7933B1.30	±0.09	±0.17
1.50	7933A1.50	7933B1.50	±0.10	±0.20
1.75	7933A1.75	7933B1.75	±0.12	±0.22
2.00	7933A2.00	7933B2.00	±0.14	±0.25



### Mismatch Set — Model 7933E

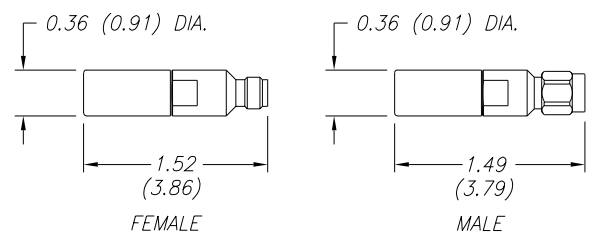
These mismatches are also available in a set, consisting of all twelve (12) models supplied in a wooden instrument case with a calibration report.

Special mismatch values (VSWR or return loss) can be provided as well as special sets to meet your specific application. Instrument case P/N 8050Z1 with capacity for twelve units is available should you wish to configure your own set.

### Specifications

Frequency Range .....	DC - 50 GHz
VSWR Nominal .....	See chart
VSWR Accuracy .....	See chart
Calibration Provided .....	VNA data 2 - 50 GHz
Calibration Impedance .....	50 ohms nominal
Power Handling .....	0.5 W average, 0.5 kW peak
Size .....	See <i>Dimensions</i>
Weight .....	0.5 oz. (0.57 gr.)
Connectors .....	2.4mm female or male

### Dimensions



DIMENSIONS IN INCHES (cm)