

# Precision Mismatches

## GENERAL INFORMATION



Precision standard mismatches are fixed coaxial terminations, which are used to introduce a known VSWR into a 50 ohm transmission system. These mismatches are extremely useful in a wide variety of applications and are quick and easy to use. They can be used to calibrate swept reflectometers, verify network analyzer calibration, establish impedance references in TDR measurements, etc.

Maury standard mismatches are quality constructed using thin film resistors and a unique grounding method that ensures stable operation. For ease of identification, the VSWR value of the mismatch is engraved on the end cap.

The standard units in this section are fitted with 2.4mm, 2.92mm, 3.5mm, 7mm and type N connectors. Please

consult with our sales staff for application assistance. The units are also available as sets or kits packaged in foam-lined wood instrument cases.

## Available Models

Model		Connector Type	Frequency Range (GHz)	Nominal VSWR	Accuracy (GHz)	
Female	Male				DC - 12.0	12.0 - 50.0
7933A1.20	7933B1.20	2.4mm	DC - 50.0	1.20	±0.09	±0.13
7933A1.50	7933B1.50			1.50	±0.10	±0.20
7933A2.00	7933B2.00			2.00	±0.14	±0.25

Model		Connector Type	Frequency Range (GHz)	Nominal VSWR	Accuracy (GHz)	
Female	Male				DC - 12.0	12.0 - 40.0
8778A1.20	8778B1.20	2.92mm	DC - 40.0	1.20	±0.08	±0.13
8778A1.50	8778B1.50			1.50	±0.10	±0.20
8778A2.00	8778B2.00			2.00	±0.14	±0.25

Model		Connector Type	Frequency Range (GHz)	Nominal VSWR	Accuracy (GHz)	
Female	Male				DC - 12.0	12.0 - 26.5
8033A1.20	8033B1.20	3.5mm	DC - 26.5	1.20	±0.07	±0.10
8033A1.50	8033B1.50			1.50	±0.09	±0.17
8033A2.00	8033B2.00			2.00	±0.12	±0.22

Model		Connector Type	Frequency Range (GHz)	Nominal VSWR	Accuracy (GHz)		
Female	Male				DC - 8.0	8.0 - 12.4	12.4 - 18.0
2611C		7mm	DC - 18.0	1.20	±0.05	±0.06	±0.10
2611E				1.50	±0.06	±0.08	±0.17
2611G				2.00	±0.10	±0.12	±0.22

Model		Connector Type	Frequency Range (GHz)	Nominal VSWR	Accuracy (GHz)		
Female	Male				DC - 8.0	8.0 - 12.4	12.4 - 18.0
2561C	2562C	Type N	DC - 18.0	1.20	±0.06	±0.07	±0.10
2561E	2562E			1.50	±0.08	±0.09	±0.15
2561G	2562G			2.00	±0.12	±0.12	±0.20