

PRE-MATCHING PROBE MOUNTS – MT902A Series

Features

- On-Wafer Broadband Pre-Matching
- Low Loss Wafer Probe Mount
- 8.0 to 50.0 GHz
- Ultra High Stability Design

General

The MT902A series of pre-matching tuners are highly stable, low loss wafer probe mounts used in on-wafer device characterization applications. By extending a wafer probe away from the tuner body, these mounts create additional clearance for proper probe alignment. The ultra-high stability inherent in their design eliminates the possibility of undesired movement during operation.

Specifications

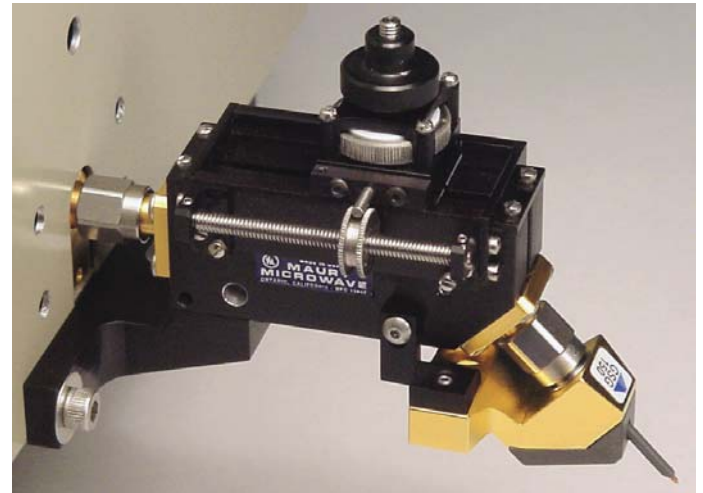
Frequency Range 8.0 to 50.0 GHz
 VSWR Range 10.1 minimum
 Insertion Loss 0.36dB¹/0.45dB²
 Power Handling 10W CW, 0.5 kW peak
 Connectors 2.4mm
 Weight 2.7 oz

Available Models

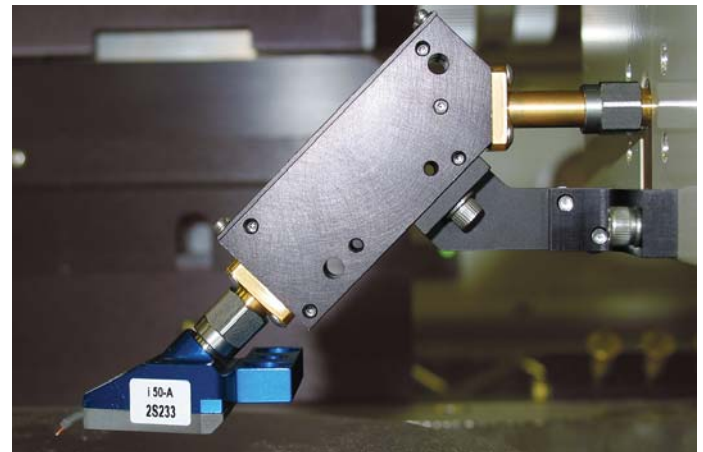
Model	Description	Frequency Range (GHz)	Matching Range	Recommended For Use With Probe Stations
MT902A1	Basic probe mount	DC — 50.0	NA	Cascade Summit 9000
MT902A2	High frequency pre-matching probe mount	21.5 — 50.0	10:1	Cascade M150
MT902A3	Low frequency pre-matching probe mount	8.0 — 21.5	10:1	Cascade RF1
MT902A5	Basic probe mount	DC — 50.0	NA	Cascade 11K
MT902A6	High frequency pre-matching probe mount	21.5 — 50.0	10:1	Cascade 12K
MT902A7	Low frequency pre-matching probe mount	8.0 — 21.5	10:1	Cascade S300

¹ MT902A1/2/3 at 50 GHz with probe retracted.

² MT902A5/6/7 at 50 GHz with probe retracted.



MT902A2 Pre-Matching Probe Mount on a MT989AU01 50 GHz Automated Tuner. This launch configuration is also used on MT902A1 and MT902A3.



MT902A5 Basic Probe Mount on a MT984A01 50 GHz Automated Tuner. This launch configuration is also used on MT902A6 and MT902A7.



Dimensions (Inches)

