

2.4mm Between-Series Adapters

Models 7926A/B/C/D, 7927A/B/C/D, 7922A/B and 7923A/B/C/D

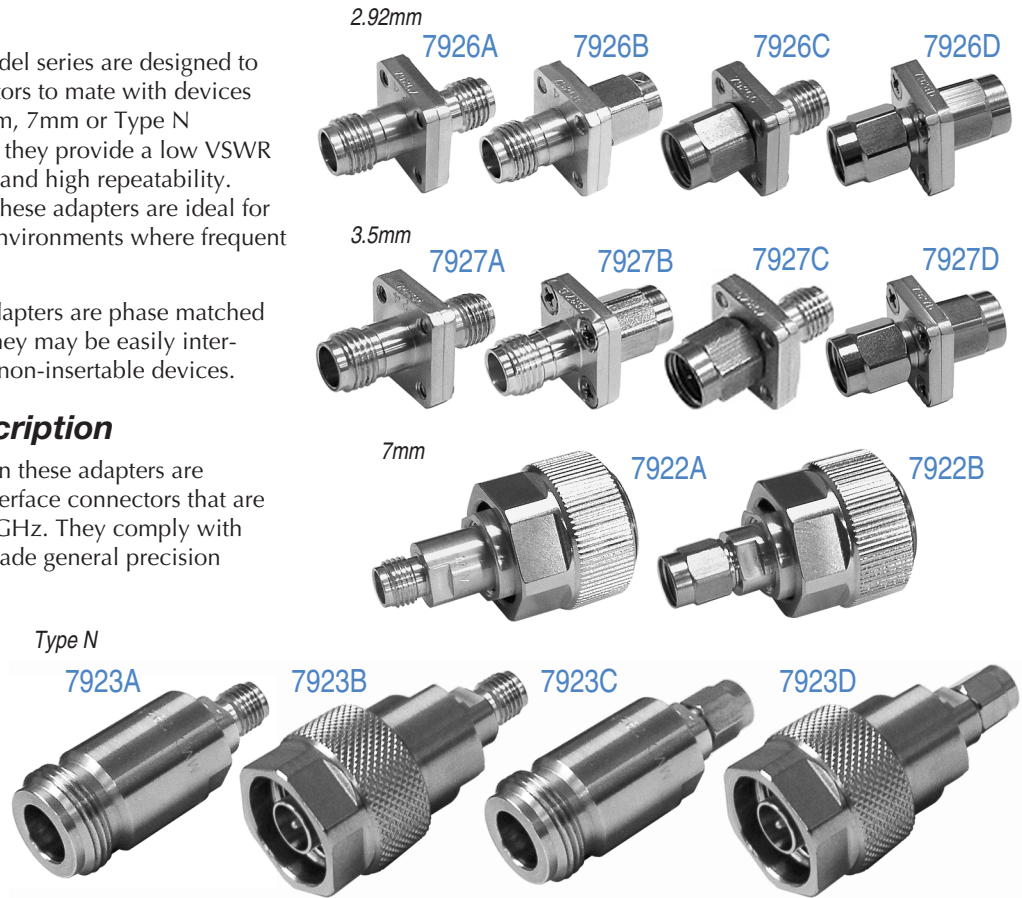
Description

The precision adapters in these model series are designed to allow devices with 2.4mm connectors to mate with devices and cables bearing 2.92mm, 3.5mm, 7mm or Type N connectors. When properly mated, they provide a low VSWR connection with low insertion loss and high repeatability. Made of highly durable materials, these adapters are ideal for use in laboratory and production environments where frequent connect/ disconnect cycles occur.

Except for the 7923 series, these adapters are phase matched within each model series, so that they may be easily inter-changed for VNA measurement of non-insertable devices.

2.4mm Connector Description

The precision 2.4mm connectors on these adapters are miniature, instrument grade, air-interface connectors that are rated for operation from DC to 50 GHz. They comply with IEEE standard 287 for instrument grade general precision connectors (GPC2.4).



Available Models

MODEL	ADAPTS		FREQUENCY RANGE (GHz) AND MAXIMUM VSWR	NOMINAL IMPEDANCE	INSERTION LENGTH	
	SIDE A	SIDE B			INCHES	(CM)
7926A	2.4mm female ¹	2.92mm female ²	DC — 4.0 ≤ 1.05 4.0 — 20.0 ≤ 1.08 20.0 — 40.0 ≤ 1.12	50 ohm	0.65	(1.65)
7926B	2.4mm female ¹	2.92mm male ²		50 ohm	0.65	(1.65)
7926C	2.4mm male ¹	2.92mm female ²		50 ohm	0.65	(1.65)
7926D	2.4mm male ¹	2.92mm male ²		50 ohm	0.65	(1.65)
7927A	2.4mm female ¹	3.5mm female ³	DC — 18.0 ≤ 1.06 18.0 — 26.5 ≤ 1.08 26.5 — 34.0 ≤ 1.12	50 ohm	0.657	(1.669)
7927B	2.4mm female ¹	3.5mm male ³		50 ohm	0.657	(1.669)
7927C	2.4mm male ¹	3.5mm female ³		50 ohm	0.657	(1.669)
7927D	2.4mm male ¹	3.5mm male ³		50 ohm	0.657	(1.669)
7922A	2.4mm female ¹	7mm ⁴	DC — 4.0 ≤ 1.03 4.0 — 12.0 ≤ 1.07 12.0 — 18.0 ≤ 1.08	50 ohm	1.28	(3.25)
7922B	2.4mm male ¹	7mm ⁴		50 ohm	1.28	(3.25)
7923A	2.4mm female ¹	Type N female ⁵	DC — 4.0 ≤ 1.07 4.0 — 18.0 ≤ 1.12	50 ohm	1.22	(3.10)
7923B	2.4mm female ¹	Type N male ⁵		50 ohm	1.58	(4.02)
7923C	2.4mm male ¹	Type N female ⁵		50 ohm	1.20	(3.05)
7923D	2.4mm male ¹	Type N male ⁵		50 ohm	1.56	(3.96)

¹ Precision 2.4mm per Maury data sheet 5E-064.

³ Precision 3.5mm per Maury data sheet 5E-062.

⁵ Precision type N per Maury data sheet 5E-049.

² Precision 2.92mm per Maury data sheet 5E-063.

⁴ Precision 7mm per Maury data sheet 5E-060.

Key Literature: Maury data sheet 2B-008.