

7mm Between-Series Adapters

Series 2633, 2606, 2607, 2617, 2621, 2622, 2623, 2624, 2625, 2657, 8692 and 8696

Description

Maury offers an extensive line of precision 7mm adapters in all common laboratory and systems connector types. 7mm adapters are also available for special purpose connections such as EIA rigid line connectors. Female and male adapters in the same connector series are phase matched for VNA applications. See pages 104–112 for 7mm to 2.4mm, 2.92mm, and 3.5mm adapters.

7mm Connector Description

Maury precision 7mm connectors are miniature, instrument grade, air-interface connectors rated for operation from DC to 18 GHz. They comply with IEEE standard 287 for instrument



grade general precision connectors (GPC7). They are normally made with gold-plated beryllium copper bodies and have a six-slot heat treated gold-plated beryllium copper center conductor contact for improved repeatability and durability. See Maury data sheet 5E-060 for interface dimensions.

Available Models

MODEL	ADAPTS		FREQUENCY RANGE (GHz) AND MAXIMUM VSWR	NOMINAL IMPEDANCE	INSERTION LENGTH	
	SIDE A	SIDE B			INCHES	(CM)
2633A	7mm "female" ¹	7mm ¹	DC — 18.0 ≤ 1.004 + 0.003f	50 ohm	1.62	(4.24)
2606C	7mm ¹	Type N female ²	DC — 4.0 ≤ 1.03	50 ohm	1.51	(3.84)
2606D	7mm ¹	Type N male ²	4.0 — 9.0 ≤ 1.04 9.0 — 18.0 ≤ 1.07	50 ohm	1.51	(3.84)
2622A1	7mm ¹	TNC female ³	DC — 4.0 ≤ 1.05	50 ohm	1.68	(4.26)
2622B	7mm ¹	TNC male ³	4.0 — 18.0 ≤ 1.15	50 ohm	1.55	(3.94)
8692A	7mm ¹	AFTNC female ⁴	DC — 4.0 ≤ 1.04	50 ohm	1.88	(4.78)
8692B	7mm ¹	AFTNC male ⁴	4.0 — 18.0 ≤ 1.06	50 ohm	1.82	(4.62)
8696A	7mm ¹	TNCA female ⁵	DC — 4.0 ≤ 1.04	50 ohm	1.88	(4.78)
8696B	7mm ¹	TNCA male ⁵	4.0 — 18.0 ≤ 1.06	50 ohm	1.82	(4.62)
2625A	7mm ¹	SMA female ⁶	DC — 4.0 ≤ 1.05 4.0 — 10.0 ≤ 1.08	50 ohm	1.67	(4.24)
2625B	7mm ¹	SMA male ⁶	10.0 — 18.0 ≤ 1.15	50 ohm	1.67	(4.24)
2621A1	7mm ¹	BNC female	DC — 4.0 ≤ 1.06	50 ohm	2.16	(5.48)
2621B1	7mm ¹	BNC male	4.0 — 10.0 ≤ 1.15	50 ohm	2.07	(5.25)
8582D1	7mm ¹	BNC 75 ohm female	DC — 2.0 ≤ 1.05 (Typ.)	50/75 ohm	2.06	(5.23)
8582D2	7mm ¹	BNC 75 ohm male		50/75 ohm	2.06	(5.23)
2623A	7mm ¹	C female	DC — 8.0 ≤ 1.10	50 ohm	2.37	(6.02)
2623B	7mm ¹	C male	8.0 — 10.0 ≤ 1.20	50 ohm	2.22	(5.64)
2657A	7mm ¹	HN female ⁷	DC — 4.0 ≤ 1.05	50 ohm	3.00	(7.62)
2657B	7mm ¹	HN male ⁷	4.0 — 8.5 ≤ 1.12	50 ohm	2.70	(6.86)
2624A	7mm ¹	SC female ⁸	DC — 4.0 ≤ 1.06	50 ohm	2.36	(5.99)
2624B1	7mm ¹	SC male ⁸	4.0 — 8.0 ≤ 1.09 8.0 — 10.0 ≤ 1.12	50 ohm	2.22	(5.64)
2607A1	7mm ¹	14mm (GR900)	DC — 8.5 ≤ 1.004 + 0.004f	50 ohm	2.01	(5.10)
2617	7mm ¹	7/8 EIA	DC — 1.0 ≤ 1.02 1.0 — 2.0 ≤ 1.05 2.0 — 3.0 ≤ 1.10 3.0 — 4.0 ≤ 1.15	50 ohm	2.68	(6.81)

¹ 7mm per Maury data sheet 5E-060.

² Precision type N per Maury data sheet 5E-049.

³ Precision TNC per Maury data sheet 5E-053

⁴ Precision TNC MIL-C-87104/2 per Maury data sheet 5E-056.

⁵ Precision TNC MIL-STD 348A per Maury data sheet 5E-058.

⁶ Precision stainless steel per MIL-C-39012.

⁷ Precision stainless steel HN per Maury data sheet 5E-051.

⁸ Precision stainless steel SC per Maury data sheet 5E-050.

Key Literature: Maury data sheets 2B-022, 2B-022D, 2B-017, 2B-017A, 2B-025, 2B-028, and 2B-030.