

Type N Between-Series Adapters (50 ohm)

Model Series 8694, 8697, 8816, 8817, 8820, 8821 and 8822

Description

Maury precision type N between-series adapters are designed for general purpose laboratory use and high precision measurement applications. They exhibit low VSWR and low insertion loss across the frequency range of the adapted connector, and are built to the same rigid quality standards as the type N in-series adapters listed on the preceding pages.

Type N Connector Description

See pages 114-115 for a description of Maury type N connectors. See also Maury data sheet 5E-049 for interface dimensions.



8816A

8816C

8817B

8816D

Available Models

MODEL	ADAPTS		FREQUENCY RANGE (GHz) AND MAXIMUM VSWR	NOMINAL IMPEDANCE	INSERTION LENGTH	
	SIDE A	SIDE B			INCHES	(CM)
8816A	Type N female ²	SMA female ³	DC — 4.0 ≤ 1.05	50 ohm	1.59	(4.04)
8816B	Type N female ²	SMA male ³	4.0 — 10.0 ≤ 1.10	50 ohm	1.59	(4.04)
8816C	Type N male ²	SMA female ³	10.0 — 18.0 ≤ 1.16	50 ohm	1.95	(4.95)
8816D	Type N male ²	SMA male ³		50 ohm	1.95	(4.95)
8817A	Type N female ²	TNC female ⁴	DC — 4.0 ≤ 1.065	50 ohm	1.17	(2.97)
8817B	Type N female ²	TNC male ⁴	4.0 — 8.0 ≤ 1.10	50 ohm	1.50	(3.81)
8817C	Type N male ²	TNC female ⁴	8.0 — 12.0 ≤ 1.12	50 ohm	1.53	(3.89)
8817D	Type N male ²	TNC male ⁴	12.0 — 18.0 ≤ 1.14	50 ohm	1.86	(4.72)
8694A	Type N female ²	AFTNC female ⁵	DC — 4.0 ≤ 1.04	50 ohm	1.82	(4.63)
8694B	Type N female ²	AFTNC male ⁵	4.0 — 8.0 ≤ 1.06	50 ohm	1.77	(4.48)
8694C	Type N male ²	AFTNC female ⁵	8.0 — 18.0 ≤ 1.08	50 ohm	2.18	(5.54)
8694D	Type N male ²	AFTNC male ⁵		50 ohm	2.13	(5.90)
8697A	Type N female ²	TNCA female ⁶	DC — 4.0 ≤ 1.04	50 ohm	1.82	(4.63)
8697B	Type N female ²	TNCA male ⁶	4.0 — 8.0 ≤ 1.06	50 ohm	1.77	(4.48)
8697C	Type N male ²	TNCA female ⁶	8.0 — 18.0 ≤ 1.08	50 ohm	2.18	(5.54)
8697D	Type N male ²	TNCA male ⁶		50 ohm	2.13	(5.90)
8821A1 ¹	Type N female ²	BNC female		50 ohm	2.10	(5.33)
8821B1 ¹	Type N female ²	BNC male	DC — 4.0 ≤ 1.10	50 ohm	2.01	(5.11)
8821C1 ¹	Type N male ²	BNC female	4.0 — 10.0 ≤ 1.20	50 ohm	2.46	(6.25)
8821D1 ¹	Type N male ²	BNC male		50 ohm	2.37	(6.02)
8820A	Type N female ²	HN female ⁷		50 ohm	1.93	(4.90)
8820B1	Type N female ²	HN male ⁷	DC — 4.0 ≤ 1.08	50 ohm	2.64	(6.71)
8820C	Type N male ²	HN female ⁷	4.0 — 8.5 ≤ 1.20	50 ohm	2.39	(6.07)
8820D1	Type N male ²	HN male ⁷		50 ohm	2.00	(5.08)
8822A	Type N female ²	C female		50 ohm	1.77	(4.50)
8822B	Type N female ²	C male	DC — 4.0 ≤ 1.10	50 ohm	2.13	(5.41)
8822C	Type N male ²	C female	4.0 — 10.0 ≤ 1.20	50 ohm	2.13	(5.41)
8822D	Type N male ²	C male		50 ohm	2.49	(6.32)

¹ 8821A1/B1 and 8821C1/D1 are phase matched pairs.

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


³ Precision stainless steel SMA per MIL-C-39012.

⁴ Precision stainless steel TNC per Maury data sheet 5E-053.

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

⁶ Precision TNC per MIL-STD 348A per Maury data sheet 5E-058.

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

 Key Literature: Maury data sheets 2B-006B, 2B-016, 2B-011, 2B-045, 2B-056, 2B-057 and 2B-058.