

NMD3.5mm Test Port Adapters

2433A1, 2633C, 8009, 8619, 8679, 8691 and 8829 Series

Features

- ▶ Low VSWR
- ▶ DC to 18, 20 or 26.5 GHz
- ▶ Protects VNA Test Ports
- ▶ Ruggedized for Long Life

Description

Maury's NMD3.5mm adapters are precision, low VSWR adapters designed to connect directly to the NMD-style 3.5mm male test ports on certain Agilent test sets and VNA models (including those in the PNA series). They are fully compatible with the VNA test ports, and adapt to precision 3.5mm 7mm TYPE N, TNC, AFTNC, or 14mm connectors. Maury test port adapters provide the best possible connection between the VNA and other precision cables and devices. Their rugged construction provides for long life and highly stable, highly repeatable connections. The 8009A/B and 8009F models also act as test port savers, by absorbing the wear and tear that would otherwise affect the test port; preventing costly repairs and eliminating downtime.

Connector Description

The NMD3.5mm female connectors on Maury test port adapters are miniature, instrument grade, air-interface connectors., rated for operate up to 18, 20 or 26.5 GHz, according to the range of the adapted connector type. For interface specifications please refer to Maury data sheet 5E-084. The NMD male connectors on 8009F units are mateable to NMD female connectors via external threads, and can also mate to non-NMD connectors via internal threads.



Available Models

| MODEL | ADAPTS | | FREQUENCY RANGE (GHz) AND MAXIMUM VSWR | NOMINAL IMPEDANCE | INSERTION LENGTH | |
|--------|------------------------------|----------------------------|---|----------------------|------------------|--------|
| | SIDE A | SIDE B | | | INCHES | (CM) |
| 8009A | NMD3.5mm female ¹ | 3.5mm female ² | DC — 18.0 ≤ 1.08 | 50 ohm | 1.45 | (3.68) |
| 8009B | NMD3.5mm female ¹ | 3.5mm male ² | 18.0 — 26.5 ≤ 1.12 | 50 ohm | 1.49 | (3.79) |
| 8009F | NMD3.5mm female ¹ | NMD3.5mm male ¹ | | 50 ohm | 1.49 | (3.79) |
| 2633C | NMD3.5mm female ¹ | 7mm ³ | DC — 18.0 ≤ 1.018 + 0.003f | 50 ohm | 1.78 | (4.53) |
| 8829A | NMD3.5mm female ¹ | Type N female ⁴ | DC — 6.0 ≤ 1.04 | 50 ohm | 2.04 | (5.18) |
| 8829B | NMD3.5mm female ¹ | Type N male ⁴ | 6.0 — 18.0 ≤ 1.08 | 50 ohm | 2.20 | (5.59) |
| 8619A | NMD3.5mm female ¹ | TNC female ⁵ | DC — 3.5 ≤ 1.06 | 50 ohm | 2.05 | (5.21) |
| 8619B | NMD3.5mm female ¹ | TNC male ⁵ | 3.5 — 7.0 ≤ 1.10 | 50 ohm | 2.00 | (5.08) |
| | | | 7.0 — 18.0 ≤ 1.16 | | | |
| 8691A | NMD3.5mm female ¹ | AFTNC female ⁶ | DC — 4.0 ≤ 1.04 | 50 ohm | 1.92 | (4.88) |
| 8691B | NMD3.5mm female ¹ | AFTNC male ⁶ | 4.0 — 20.0 ≤ 1.10 | 50 ohm | 1.54 | (3.91) |
| 8679A | NMD3.5mm female ¹ | TNCA female ⁷ | DC — 4.0 ≤ 1.04 | 50 ohm | 1.92 | (4.88) |
| 8679B | NMD3.5mm female ¹ | TNCA male ⁷ | 4.0 — 20.0 ≤ 1.10 | 50 ohm | 1.54 | (3.91) |
| 2433A1 | NMD3.5mm female ¹ | 14mm ⁸ | DC — 8.5 ≤ 1.01 + 0.008f | 50 ohm | 2.32 | (5.89) |

¹ NMD3.5mm per Maury data sheet 5E-084.

² Precision 3.5mm per Maury data sheet 5E-062.

³ Precision 7mm per Maury data sheet 5E-060.

⁴ Precision type N per Maury data sheet 5E-049.

⁵ Precision TNC per Maury data sheet 5E-053.

⁶ Precision AFTNC per Maury data sheet 5E-056.

⁷ Precision TNC MIL-STD 348A per Maury data sheet 5E-068.

⁸ Precision 14mm per Maury data sheet 5E-068.

Key Literature: Maury data sheet 2B-049, 2B-049A, 2B-050, 2B-051, 2B-052, 2B-053.