

High-Frequency Precision Test Adapters >

Molex offers a broad line of high-frequency within series and between series adapters. Interfaces include 2.92mm (40 GHz), 2.4mm (50 GHz), 1.85mm (67 GHz) and 1.0mm (110 GHz).



Molex High-Frequency Precision Test Adapters

FEATURES AND ADVANTAGES

Intermateability

Provides design flexibility, making it possible to mate 2.4 with 1.85mm connectors or mate 2.92mm connectors with SMA or 3.5mm connectors

Within and between series available

Offer any combinations for every situation

Off-the-shelf solutions

Are in stock at multiple distributors



67 GHz 1.85 to 1.85mm Adapter



67 GHz 1.85 to 1.0mm Adapter



50 GHz 2.4 to 1.85mm Adapter

Precision machined interfaces

Are ideal for precise laboratory measurements

Excellent electrical performance

Ensures accurate, repeatable results

Wide frequency range

Offers a range of capabilities, with frequencies ranging from 40 GHz up to 110 GHz, depending on the interface used

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MARKETS AND APPLICATIONS

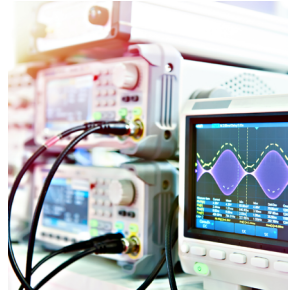
Telecommunications/Networking

Network Systems
Testing and Instrumentation
Automated Test Equipment
Wireless Communications
5G Applications
High-Speed Data Transmission

Commercial Aviation

Aerospace
Satellites

Internet of Things (IoT)



Testing and Instrumentation



Wireless Communications



Satellites



Network Systems

SPECIFICATIONS

Reference Information

Designed In: Millimeters
RoHS Compliant: Yes

Electrical

Impedance: 50 Ohms
Operation Frequency:
1.0mm: DC to 110 GHz
1.85mm: DC to 67 GHz
2.4mm: DC to 50 GHz
2.92mm: DC to 40 GHz
VSWR (max.)
1.0mm: 1.3:1 @ 110 GHz
1.85mm: 1.2:1 @ 67 GHz
2.4mm: 1.3:1 @ 50 GHz
2.92mm: 1.2:1 @ 40 GHz

Physical

Dielectric: Ultem
Contact: Brass, Gold plated
Body: Passivated Stainless Steel

www.molex.com/molex/products/family/bsa