

High-Frequency Precision Test Adapters >

Optimized for high-performance applications requiring exceptional signal integrity, High-Frequency Precision Test Adapters offer low voltage standing wave ratio (VSWR) and robust construction, along with multiple connector options. The adapters provide reliable signal integrity and help simplify cable routing, reducing downtime and maintenance costs.



ADVANTAGES AND FEATURES

Offers robust reliability

The precision-machined passivated stainless steel body is mechanically robust and rated for at least 500 mating cycles.

Enhances design flexibility

Adapters are available with standard 1.0, 1.85, 2.4 and 2.92mm connectors for 110, 67, 50 and 40 GHz applications. Plug-to-plug, plug-to-jack and jack-to-jack versions support a wide range of test configuration requirements.

Simplifies sourcing

Off-the-shelf adapters are available at multiple distributors.

Connectors	1.0, 1.85, 2.4, 2.92mm
Impedance	50 Ohms
Frequency Range	DC to 110 GHz
Durability	500 cycles (min.)
Operating Temperatures	-65 to +165°C

Delivers space savings for precision applications

Mitered right-angle connectors are available to eliminate the need for tight cable bends, improving signal integrity for high-precision applications in tight spaces.

Provides superior electrical performance

With 50 Ohm impedance and a maximum VSWR of 1.25:1 up to 67 GHz, these adapters are ideal for test and measurement systems.



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MARKETS AND APPLICATIONS

Wireless Infrastructure

Benchtop test and measurement equipment
Field-portable test equipment

Aerospace

Radar systems

Defense

Electronic defense systems
Military communications equipment

Telecommunications

5G microwave backhaul systems
Point-to-point radios

Networking

High-speed signal integrity test boards



*Benchtop Test and
Measurement Equipment*



Radar Systems



5G Microwave Backhaul Systems

SPECIFICATIONS

Reference Information

Packaging: Individually bagged
Designed in: Millimeters
RoHS: Yes
Halogen Free: Yes

Electrical

Impedance: 50 Ohms
Frequency Range:
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: 1.25:1

Mechanical

Connectors: 1.0, 1.85, 2.4, 2.92mm
Configurations: Plug-to-plug, plug-to-jack, jack-to-jack

Physical

Contact: Beryllium copper or gold-plated brass
Dielectric: Ultem
Other Metal Parts: Passivated stainless steel
Operating Temperatures: -65 to +165°C

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