

KEYSIGHT TECHNOLOGIES (AGILENT HP)

779D

The Keysight (Agilent HP) 779D is a high-performance coaxial directional coupler optimized for swept measurements and reflectometer applications in the 1.7 to 12.4 GHz frequency range. It features high directivity, excellent coupling flatness, and robust power handling.

SPECIFICATIONS

Physical

Dimensions (W×H×D)	197 mm × 51 mm × 19 mm mm
Weight	0.5 kg kg
Shipping Weight	0.9 kg

RF Performance Specifications

Frequency Range	1.7 to 12.4 GHz
Nominal Coupling	20 dB
Coupling Accuracy	±0.5 dB (mean)
Coupling Flatness	±0.75 dB
Minimum Directivity (1.7 to 4 GHz)	30 dB
Minimum Directivity (4 to 12.4 GHz)	26 dB
Maximum SWR	1.2
Main Line Insertion Loss	<0.60 dB
Nominal Impedance	50 Ω

Power Handling Capabilities

Average CW Power Rating	50 W
Peak Power Rating	250 W

Mechanical & Connector Configurations

Connector Type	Type-N
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Connectors

Main Line Connectors	Type-N (m) input, Type-N (f) output
Coupled Line Connector	Type-N (f)
Option 011 Configuration	Type-N female connector on all ports (replaces standard Type-N male input)

TECHNOLOGY

RF & Microwave Coaxial

APPLICATIONS

Swept measurements, reflectometer systems, and signal monitoring

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.