

KEYSIGHT TECHNOLOGIES (AGILENT HP)

773D

The Keysight 773D (formerly Agilent) is a high-performance directional coupler designed for broadband swept measurements and source leveling in the 2 to 18 GHz frequency range. It features APC-7 primary ports, a Type-N coupled port, and excellent directivity.

SPECIFICATIONS

Physical

Dimensions (W×H×D)	23 mm × 33 mm × 140 mm mm
Weight	0.34 kg

Frequency & Coupling Performance

Frequency Range	2 to 18 GHz
Nominal Coupling	20 dB
Coupling Flatness (Variation)	±1.0 dB
Directivity (2 to 12.4 GHz)	30 dB
Directivity (12.4 to 18 GHz)	27 dB

Power & Impedance

Nominal Impedance	50 Ω
Average Power Handling	50 W
Peak Power Handling	250 W

Insertion Loss & VSWR

Primary Line SWR (2 to 12.4 GHz)	1.20
Primary Line SWR (12.4 to 18 GHz)	1.25
Auxiliary Line SWR (2 to 12.4 GHz)	1.30
Auxiliary Line SWR (12.4 to 18 GHz)	1.35
Mainline Insertion Loss (2 to 12.4 GHz)	< 0.6 dB
Mainline Insertion Loss (12.4 to 18 GHz)	< 0.75 dB

Port & Connector Configurations

Input Port Connector	APC-7
Output Port Connector	APC-7
Coupled Port Connector Type	Type-N
Coupled Port Connector Gender	Female

Configuration Options

Option 001 Connectors	Type-N (female) on primary line (replaces standard APC-7)
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TECHNOLOGY

Coaxial RF

APPLICATIONS

Broadband swept measurements and source leveling

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