

KEYSIGHT TECHNOLOGIES (AGILENT HP)

11636B

The Keysight 11636B (formerly Agilent) is a high-performance DC to 26.5 GHz power divider designed for direct power dividing and wideband comparison measurements. Offering outstanding port-to-port tracking and low SWR, it reduces re-reflections and improves accuracy in scalar and vector network analysis, particularly when used with network analyzers such as the Agilent 8757 series.

SPECIFICATIONS

Physical

Operating Temperature	0 °C to +55 °C °C
Dimensions (W×H×D)	41.3 mm × 41.3 mm × 11.7 mm mm
Weight	0.14 kg kg

Frequency & Impedance

Frequency Range	DC to 26.5 GHz
Nominal Impedance	50 Ω

RF Performance

Nominal Insertion Loss	6.0 dB
Maximum SWR (DC to 18 GHz)	1.22
Maximum SWR (18 to 26.5 GHz)	1.29
Maximum Amplitude Tracking (DC to 18 GHz)	0.25 dB
Maximum Amplitude Tracking (DC to 26.5 GHz)	0.30 dB
Phase Tracking (DC to 18 GHz)	2° (typical)
Phase Tracking (DC to 26.5 GHz)	3° (typical)
Equivalent Output SWR (DC to 18 GHz)	1.22 (typical)
Equivalent Output SWR (18 to 26.5 GHz)	1.29 (typical)

Power Handling

Maximum Input Power (CW)	1 W
Maximum Input Power (Peak)	100 W
Peak Power Pulse Parameters	10 μs pulse width, 0.1% duty cycle

Physical & Mechanical

Number of Output Ports	2
Total Number of Ports	3
RF Connectors	3.5 mm female (all ports)
Connector Compatibility	SMA

Environmental

Storage Temperature Range	-55 °C to +75 °C
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General

Circuit Configuration	Three-resistor power splitter
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Connectors

Connector Options	Standard: 3.5 mm female on all ports; Option 002: 3.5 mm male on input port, 3.5 mm female on output ports
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TECHNOLOGY

Resistive Power Divider

APPLICATIONS

Wideband comparison measurements, power splitting, scalar and vector network analysis

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