KEYSIGHT TECHNOLOGIES (AGILENT HP)

11636A

The Keysight 11636A (formerly Agilent) is a high-performance resistive power divider and combiner operating from DC to 18 GHz. Featuring excellent port matching, it is highly recommended for wideband comparison measurements, power splitting, and scalar network analyzer leveling applications.

SPECIFICATIONS

General

Interfaces	Type-N (f) connectors on all three ports

Physical

Operating Temperature	0 to 55 °C °C
Dimensions (W×H×D)	52 mm × 67 mm × 21 mm mm
Weight	0.14 kg
Shipping Weight	0.5 kg

Frequency and Impedance

Frequency Range	DC to 18 GHz
Nominal Impedance	50 Ω

RF Performance

Insertion Loss	6.0 dB typical
Maximum SWR	1.35
Maximum SWR (DC to 4 GHz)	1.15
Maximum SWR (4 to 10 GHz)	1.25
Maximum SWR (10 to 18 GHz)	1.35
Equivalent Output SWR (DC to 4 GHz)	1.10
Equivalent Output SWR (4 to 10 GHz)	1.15
Equivalent Output SWR (10 to 18 GHz)	1.20
Maximum Amplitude Tracking	0.5 dB
Maximum Phase Tracking	2.5 deg
Amplitude Tracking (DC to 4 GHz)	0.2 dB
Amplitude Tracking (4 to 10 GHz)	0.3 dB
Amplitude Tracking (10 to 18 GHz)	0.5 dB
Phase Tracking (DC to 4 GHz)	1.5 deg
Phase Tracking (4 to 10 GHz)	2.0 deg
Phase Tracking (10 to 18 GHz)	2.5 deg

Power Handling Capabilities

Maximum Input Power (CW)	1 W
Maximum Input Power (Peak)	1 kW

Physical and Mechanical Specs

Number of Output Ports	2
Input Connector Type	Type-N
Input Connector Gender	Female
Output Connector Type	Type-N
Output Connector Gender	Female

Design

Design Type	3-resistor power splitter/divider

TECHNOLOGY

Resistive Power Divider

APPLICATIONS

Power dividing, power combining, wideband comparison measurements, scalar 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.