

KEYSIGHT TECHNOLOGIES (AGILENT HP)

355C

The Keysight (Agilent/HP) 355C is a high-precision manual step attenuator designed for operation from DC to 1000 MHz (1 GHz). Utilizing cam-actuated microswitches to insert and remove attenuator sections, this compact and rugged unit maintains short lead lengths to minimize stray capacitances, inductances, and phase shifts. It provides reliable attenuation from 0 to 12 dB in 1 dB steps and can be cascaded in series with the 355D to extend the range up to 132 dB.

SPECIFICATIONS

Physical

Dimensions (W×H×D)	54 mm × 67 mm × 152 mm mm
Weight	0.68 kg kg

RF & Electrical Specifications

Frequency Range	DC to 1 GHz
Attenuation Range	0 to 12 dB
Attenuation Steps	1 dB steps
Nominal Impedance	50 ohms
Maximum SWR (DC to 250 MHz)	1.2
Maximum SWR (250 to 500 MHz)	1.3
Maximum SWR (500 MHz to 1 GHz)	1.5
Maximum Insertion Loss at 0 dB	0.2 dB + 2.3 dB/GHz
Maximum Average Input Power	0.5 W
Maximum Peak Input Power	350 W
Overall Accuracy (DC to 500 MHz)	±0.25 dB
Overall Accuracy (DC to 1000 MHz)	±0.35 dB
Overall Accuracy (at 1000 Hz)	±0.1 dB

Mechanical & Physical Characteristics

Standard Connector Type	BNC female
Optional Connector Types	Type-N female, TNC female
Control Method	Manual (cam-actuated microswitches)
Port Bidirectionality	Either terminal may be connected as input or output
Series Compatibility	Can be connected with the 355D in series to provide precision attenuation in 1 dB steps from 0 to 132 dB

Accessories

Compatible Interconnect Kit	HP 11716A (Type-N), HP 11716B (BNC)
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Performance

Combined Range with HP 355D	0 to 132 dB in 1 dB steps (when connected in series with HP 355D)
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TECHNOLOGY

Coaxial Step Attenuator

APPLICATIONS

Precision RF signal attenuation and level control

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