

KEYSIGHT TECHNOLOGIES (AGILENT HP)

909A

The Keysight (Agilent) 909A is a general-purpose, low-reflection coaxial termination designed to terminate 50-ohm transmission lines in their characteristic impedance over a wide frequency range from DC to 18 GHz. This precision load is available with APC-7, Type-N male, or Type-N female connectors, making it suitable for both broadband and narrowband measurements where low standing wave ratio (SWR) is critical.

SPECIFICATIONS

Physical

Dimensions (W×H×D)	21 mm (Diameter) x 51 mm (Length for APC-7) / 57 mm (Length for Type-N) mm
Weight	0.14 kg kg

RF & Electrical Performance

Frequency Range	DC to 18 GHz
Nominal Impedance	50 Ω
Average Power Rating	2 W
Peak Power Rating	300 W
Peak Power Pulse Width	10 μs
Peak Power Duty Cycle	0.001
Maximum VSWR (DC to 4 GHz, APC-7)	1.05
Maximum VSWR (DC to 4 GHz, Type-N)	1.06
Maximum VSWR (4 to 12.4 GHz, APC-7)	1.10
Maximum VSWR (4 to 12.4 GHz, Type-N)	1.11
Maximum VSWR (12.4 to 18 GHz, APC-7)	1.25
Maximum VSWR (12.4 to 18 GHz, Type-N)	1.30

Mechanical & Connector Specifications

Connector Type Options	APC-7, Type-N male, Type-N female
Standard Connector	APC-7

Ordering & Configuration Options

Option 012 Connector	Type-N male
Option 013 Connector	Type-N female

Power Specifications

Power Derating	Linearly from 2 W at 25 °C to 1 W at 125 °C
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TECHNOLOGY

RF/Microwave Coaxial Termination

APPLICATIONS

Broadband and narrowband RF/microwave measurements, 50-ohm system impedance termination

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