

This literature was published years prior to the establishment of Agilent Technologies as a company independent from Hewlett-Packard and describes products or services now available through Agilent. It may also refer to products/services no longer supported by Agilent. We regret any inconvenience caused by obsolete information. For the latest information on Agilent's test and measurement products go to:

www.agilent.com/find/products

Or in the U.S., call Agilent Technologies at 1-800-452-4844 (8am-8pm EST)

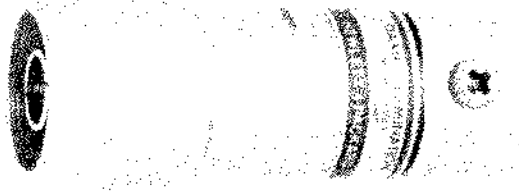


HP 908A, 909A Coaxial Terminations

dc-18 GHz



Technical Data



Description

HP 908A and 909A Terminations are low-reflection loads for terminating 50Ω coaxial systems in their characteristic impedance. HP 909A is extremely broadband, covering the frequency range from dc to 18 GHz. Combining economy with utility, the HP 908A covers the range from dc to 4 GHz. Both terminations find wide use as accessories for broadband measuring instrumentation and for coaxial instrumentation from dc to 18 GHz.

The HP 909A is furnished with an Amphenol precision 7mm connector (APC-7). This is a

broadband connector with low RF leakage and clearly defined reference plane. In addition, the connector is sexless, so any pair mate without an adapter. As an option, the HP 909A can be furnished with a type N connector, either male or female, compatible with MIL-C-39012. These connectors mate with all styles of type N connectors and are stainless steel for long wear.

HP 908A is furnished with a phosphor-bronze male type N connector compatible with MIL-C-71. A rubber gasket is supplied with the HP 908A, but not installed.

HP 908A Specifications

Frequency Range: dc-4 GHz

Impedance: 50Ω

Connector: type N (m)

Reflection Coefficient (max):
<0.024 (1.05 SWR)

Power Rating: 1/2 W avg, 1 kW pk

Maximum Input: 1 kW peak

Weight: net-80g (3 oz);
shipping-200g (8 oz)

Length: 51 mm (2 in)

HP 909A Specifications

Frequency Range: dc-18 GHz

Impedance: 50Ω

Connector:

HP 909A-APC-7

HP 909A Option 012-type N (m)

HP 909A Option 013-type N (f)

Reflection Coefficient:

0-4 GHz: 0.024 (1.05 SWR)

4-12.4 GHz: 0.048 (1.1 SWR)

12.4-18 GHz: 0.11 (1.25 SWR)

Options 012 and 013

0-4 GHz: 0.029 (1.06 SWR)

4-12.4 GHz: 0.052 (1.11 SWR)

12.4-18 GHz: 0.13 (1.30 SWR)

Power Rating: 2W avg, 300W pk

Weight: net-80g (3 oz);
shipping-200g (8 oz)

Length: 51 mm (2 in)

Option 012 furnished with type N (m) connector, Option 013 furnished with type N (f) connector.

For more information, call your local HP sales office listed in your telephone directory.

Data Subject to Change
Copyright © 1991
Hewlett-Packard Company
Printed in U.S.A. 11/91
5952-0919E