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HEWLETT PACKARD

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 instrument 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.

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