GENERAL RADIO

GR900 50-Ohm Adaptors

The General Radio GR900 series of 50-ohm precision adaptors allows users to convert from the precision sexless GR900 (14-mm) connector to other popular coaxial series (including BNC, C, N, TNC, SMA, SC, APC-7, Precifix AA/R&S 7-mm, and GR874) while retaining high-precision performance. These adaptors offer exceptionally low VSWR and exist in both plug and jack variants for most standard connector types.

SPECIFICATIONS

Electrical Specifications

Nominal Impedance	50 Ω
Frequency Range	DC to 8.5 GHz
Operating Voltage (Peak) - BNC & TNC	Up to 500 Vpeak
Operating Voltage (Peak) - C, N, SC & 7-mm	Up to 1000 Vpeak
Operating Voltage (Peak) - GR874	Up to 1500 Vpeak
VSWR (Max) - Type N Adaptors	<(1.004 + 0.004 f GHz) to 8.5 GHz
VSWR (Max) - 7-mm Adaptors	<(1.003 + 0.003 f GHz) to 8.5 GHz
VSWR (Max) - Type BNC, C, SC & TNC	<(1.005 + 0.015 f GHz) to 1 GHz; <(1.015 + 0.005 f GHz) to 8.5 GHz
VSWR (Max) - Type SMA	<(1.005 + 0.025 f GHz) to 1 GHz; <(1.022 + 0.008 f GHz) to 8.5 GHz

Mechanical Specifications

Connector Interface 1	GR900 (Precision 14-mm, sexless)
Connector Interface 2	BNC, C, N, SC, SMA, TNC, APC-7, R&S 7-mm, GR874, or Binding Posts (model dependent)
Connector Gender 2	Jack (female) or Plug (male) available for standard coaxial interfaces

Ordering Information

Adaptor Kit Part Number	900-9451 (50-Ohm Precision Adaptor Kit)
Storage Case Part Number	900-9450 (Mahogany storage case with recessed foam inserts)
Base Part Numbers - BNC	900-QBJ (Jack), 900-QBP (Plug)
Base Part Numbers - C	900-QCJ (Jack), 900-QCP (Plug)
Base Part Numbers - N	900-QNJ (Jack), 900-QNP (Plug)
Base Part Numbers - TNC	900-QTNJ (Jack), 900-QTNP (Plug)
Base Part Numbers - SMA	900-QMMJ (Jack), 900-QMMP (Plug)
Base Part Numbers - SC	900-QSCJ (Jack), 900-QSCP (Plug)
Base Part Numbers - 7-mm	900-QAP7 (APC-7), 900-QPF7 (R&S 7-mm)
Base Part Numbers - GR874 & Binding Posts	900-Q874 (Locking GR874), 900-Q9 (Binding Posts)

TECHNOLOGY

Precision RF Coaxial

APPLICATIONS

Test and Measurement, Calibration, RF Interconnect