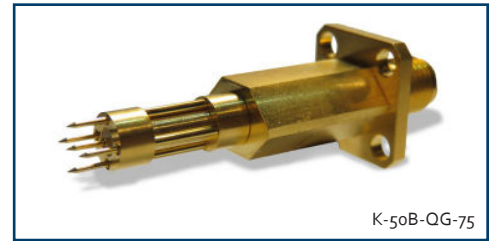


RF Series

K-50 Series for RF Probing



Applications

The K-50 coaxial probe provides an instrumentation-quality interface for broadband R.F. measurements up to 4 GHz. With the K-50 R. F. circuit design, impedance characterization measurements can be performed using it as a Network Analyzer port-extending accessory. Accurate and repeatable small signal and R.F. power (50 Watts) measurements provide consistent and repeatable results.

The K-50 was developed in cooperation with a leading manufacturer of advanced communications systems and is supported by a leading instrument equipment manufacturer.

Design Advantages

The precisely-controlled physical and electrical characteristics of the K-50 make it an ideal port-extending accessory for the Network Analyzers and Time Domain Reflectometers. The R.F. center conductor system is captivated for maximum reliability.

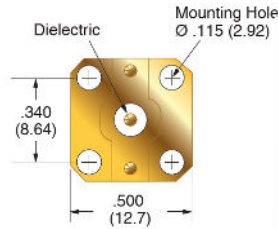
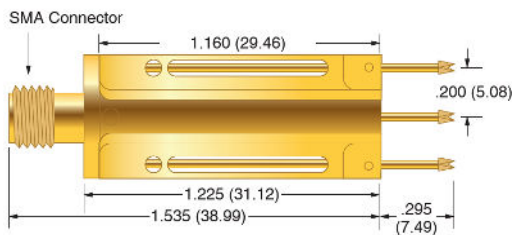
The K-50 incorporates spring probes in an open architected format to accommodate a wide range of physical circuit topologies and to alleviate the need for special geometry contact pads on the circuit under test.

Benefits

- Proven RF measurements up to 4 GHz
- Consistent 50 ohm impedance
- Reliable contact to a variety of circuit board test targets
- High volume production or lab test
- Rugged design for inline applications
- Flexible open architecture for variable footprints



K-50L



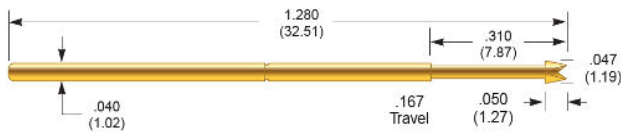
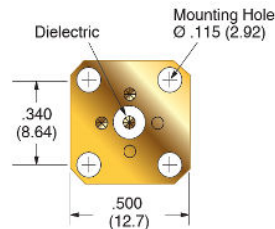
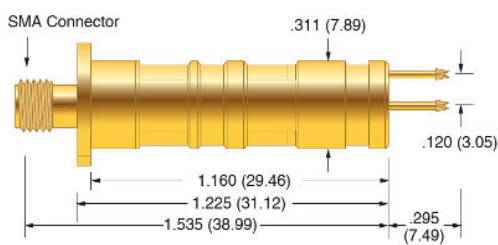
Specifications (at full compression)

Nominal Impedance:	50 Ohms
Minimum Return Loss @ 1GHz:	23 db, 26 db Typical
Minimum Insertion Loss @ 1GHz:	0.12 db, 0.06 db Typical

Materials and Finishes

Housing:	Gold plated copper zinc alloy
Dielectric:	Premium virgin teflon per MIL-P-18468
Replaceable Probe:	SPL-01L-039

K-50L-QG



Replacement Probe
SPL-01L-039

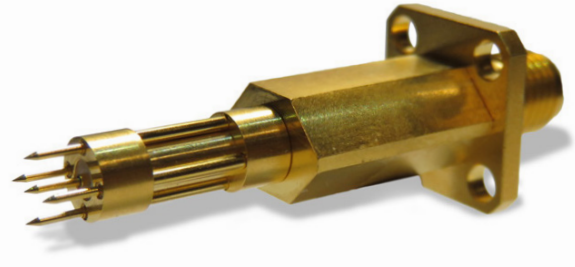
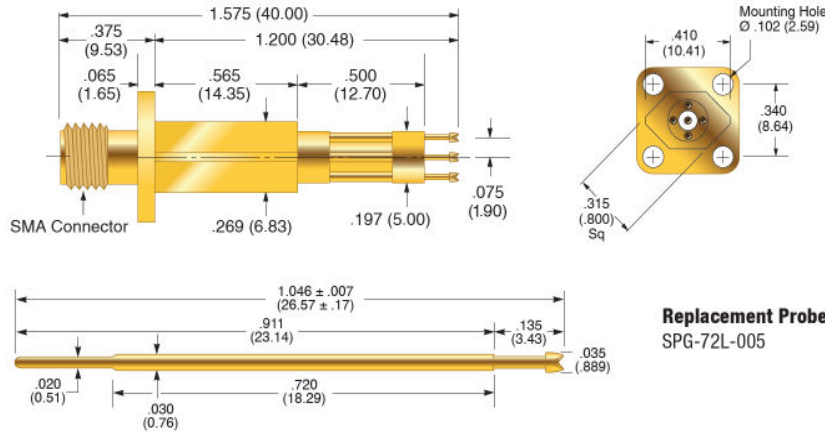
Specifications (at full compression)

Nominal Impedance:	50 Ohms
Minimum Return Loss @ 1 GHz:	23 db, 26 db Typical
Minimum Insertion Loss @ 1GHz:	0.12 db, 0.06 db Typical

Materials and Finishes

Housing:	Gold plated copper zinc alloy
Dielectric:	Premium virgin teflon per MIL-P-18468
Replaceable Probe:	SPL-01L-039

K-50L-QG-75



Replacement Probe
SPG-72L-005

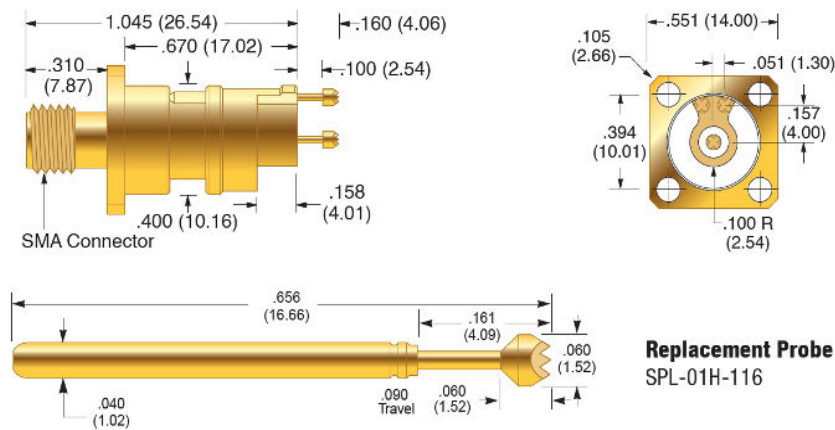
Specifications (at full compression)

Nominal Impedance:	50 Ohms
Minimum Return Loss @ 5 GHz:	18.3 db, 16.4 db Typical
Minimum Insertion Loss @ 5 GHz:	0.370 db, 0.371 db Typical

Materials and Finishes

Housing:	Brass, Gold plated
Dielectric:	Premium virgin teflon per MIL-P-18468
Replaceable Probe:	SPL-0172L-005

K-50H-S



The K-50H-S coaxial probe is a shorter version of the K-50 series measurement probe with .100 full travel and a slightly larger mounting flange.

Electrical characteristics and applications are similar to the K-50.

Replacement Probe
SPL-01H-116

Specifications (at full compression)

Nominal Impedance:	50 Ohms
Minimum Return Loss @ 1GHz:	23 db, 26 db Typical
Minimum Insertion Loss @ 1GHz:	0.12 db, 0.06 db Typical

Materials and Finishes

Housing:	Brass, Gold plated
Dielectric:	Premium virgin teflon per MIL-P-18468
Replaceable Probe:	SPL-01H-116