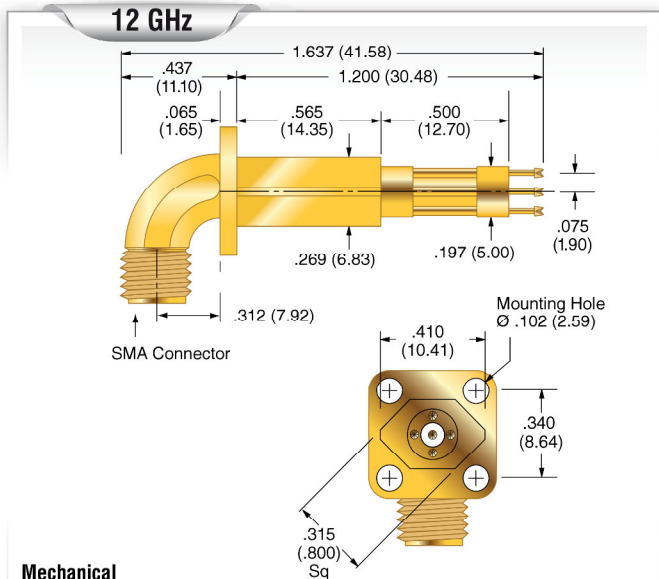
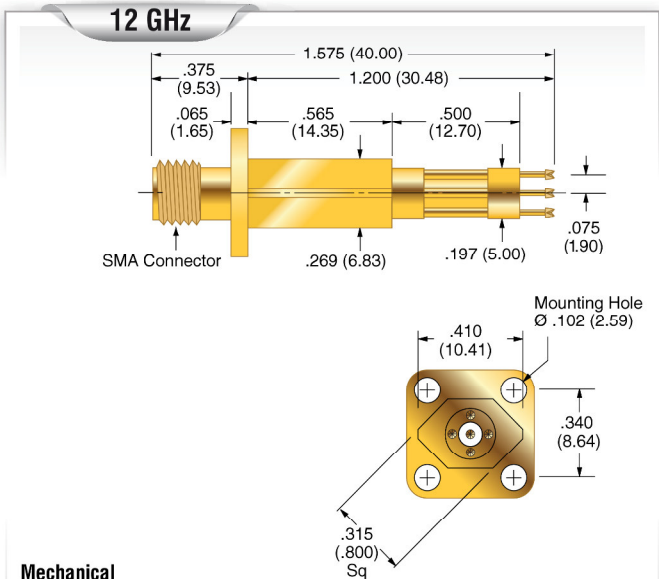


K-50L-QG-75

K-50L-QG-75R



Mechanical

Recommended Travel: .067 (1.70)
 Full Travel: .100 (2.54)
 Operating Temperature: -55°C to +105°C
 Connection: Standard SMA Connector

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard	K-50L-QG-75R	3.74 (106)	14.35 (407)

Electrical (Static Conditions)

Nominal Impedance: 50 Ohms
 Minimum Return Loss @ 1GHz: 23.8 dB, 22.8 dB typical
 Minimum Return Loss @ 5GHz: 18.3 dB, 16.4 dB typical
 Minimum Return Loss @ 10GHz: 17.7 dB, 17.0 dB typical
 Minimum Insertion Loss @ 1GHz: 0.183 dB, 0.186 dB typical
 Minimum Insertion Loss @ 5GHz: 0.370 dB, 0.371 dB typical
 Minimum Insertion Loss @ 10GHz: 0.577 dB, 0.572 dB typical
 Maximum VSWR @ 1GHz: 1.14:1, 1.16:1 typical
 Maximum VSWR @ 5GHz: 1.28:1, 1.36:1 typical
 Maximum VSWR @ 10GHz: 1.30:1, 1.33:1 typical

Materials and Finishes

Housing: Brass, Gold plated
 Dielectric: Premium virgin Teflon per MIL P 18468

Replaceable Probes

Order Number Ground Probe: HPA-0L
 Order Number Signal Probe: SPG-72L-005

Mechanical

Recommended Travel: .067 (1.70)
 Full Travel: .100 (2.54)
 Operating Temperature: -55°C to +105°C
 Connection: Standard SMA Connector

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard	K-50L-QG-75R	3.74 (106)	14.35 (407)

Electrical (Static Conditions)

Nominal Impedance: 50 Ohms
 Minimum Return Loss @ 1GHz: 25.1 dB, 25.2 dB typical
 Minimum Return Loss @ 5GHz: 18.0 dB, 17.5 dB typical
 Minimum Return Loss @ 10GHz: 27.0 dB, 35.3 dB typical
 Minimum Insertion Loss @ 1GHz: 0.160 dB, 0.159 dB typical
 Minimum Insertion Loss @ 5GHz: 0.421 dB, 0.405 dB typical
 Minimum Insertion Loss @ 10GHz: 0.489 dB, 0.429 dB typical
 Maximum VSWR @ 1GHz: 1.12:1, 1.12:1 typical
 Maximum VSWR @ 5GHz: 1.29:1, 1.31:1 typical
 Maximum VSWR @ 10GHz: 1.09:1, 1.03:1 typical

Materials and Finishes

Housing: Brass, Gold plated
 Dielectric: Premium virgin Teflon per MIL P 18468

Replaceable Probes

Order Number Ground Probe: HPA-0L
 Order Number Signal Probe: SPG-72L-005

Applications

The K-50L-QG-75 series coaxial probe provides an instrumentation-quality interface for broadband R.F. measurements up to 12 GHz. With the K-50L-QG-75 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.

Dimensions in inches (millimeters). Specifications subject to change without notice.
 Consult factory for other temperature requirements, and applications below -40°C.
 Stocking Disclaimer: Stocking levels for part numbers listed in this catalog are subject to change.
 Availability is based on current levels of usage and demand.

