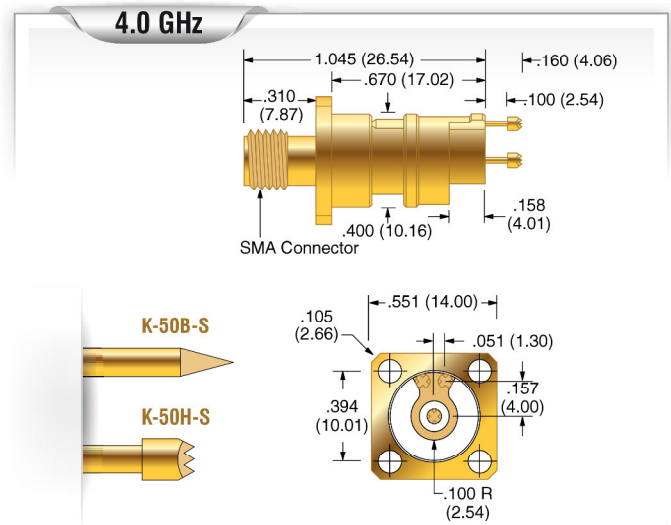
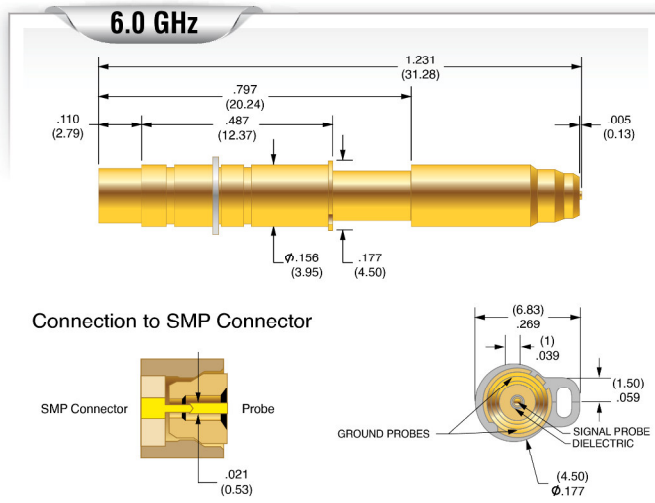


## CSP-40A-015

## K-50B-S K-50H-S



### Mechanical

Recommended Travel: 0.133 (3.38) SHIELD, 0.211 (5.36) INCLUDING TRAVEL OF PROBES  
 Full Travel: 0.200 (5.08) SHIELD, 0.275 (6.99) INCLUDING TRAVEL OF PROBES  
 Operating Temperature: -35°C to + 155°C  
 Connection: MMCX

### Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard	CSP-40A-015	6.2 (175.2)	8.0 (226.8)

### Electrical (Static Conditions)

Nominal Impedance: 50 Ohms  
 Dielectric Voltage Rating: 1K VAC  
 Bandwidth @ -1 dB: 6 GHz

### Materials and Finishes

Housing: Brass, Gold plated  
 Dielectric: Teflon

### Replaceable Probes

Signal Probe, Order Number (CSP-40A-015) HPA-40G  
 (more information on this probe in the General Purpose section)

### Applications

The CSP-40 coaxial probe provides instrumentation-quality interface for broadband R.F. measurements up to 6 GHz to an SMP male connector. With the CSP-40 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.

### Mechanical

Recommended Travel: .090 (2.29)  
 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-50B-S	4.47 (127)	12.00 (340)
Standard	K-50H-S	4.47 (127)	12.00 (340)

### Electrical (Static Conditions)

Nominal Impedance: 50 Ohms  
 Minimum Return Loss @ 1GHz: 23 dB, 26 dB typical  
 Minimum Insertion Loss @ 1GHz: 0.12 dB, 0.06 dB typical  
 Maximum VSWR @ 1GHz: 1.15:1, 1.11:1 typical

### Materials and Finishes

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

### Replaceable Probes

Order Number (K-50B-S): SPL-01B-119  
 Order Number (K-50H-S): SPL-01H-116

### Applications

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.