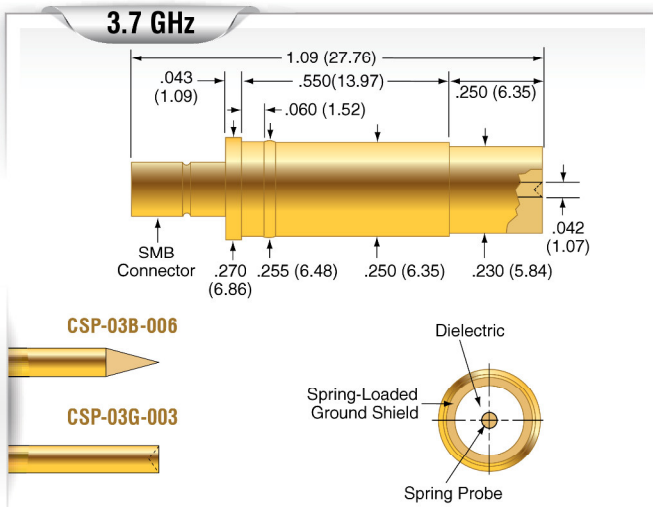


High Frequency Probe

CSP-03B-006 CSP-03G-003



CSP-03B-006

CSP-03G-003

Mechanical

Recommended Travel:	.167 (4.24)
Full Travel:	.250 (6.35)
Operating Temperature:	-35°C to +105°C
Connection:	Standard SMB 27-1 or equivalent Connector

Spring Force in oz. (grams)

	Order Code	Preload	Rec. Travel
Standard	CSP-03B-006	0.80 (22)	4.0 (114)
Standard	CSP-03G-003	0.80 (22)	4.0 (114)

Electrical (Static Conditions)

Nominal Impedance:	50 Ohms
Average Probe Resistance:	<50 mOhms
Dielectric Voltage Rating:	1K VAC
Minimum Insertion Loss @ 1GHz (tested with target):	0.13 dB typical
Maximum VSWR @ 1GHz (tested with target):	1.15:1 typical

Materials and Finishes

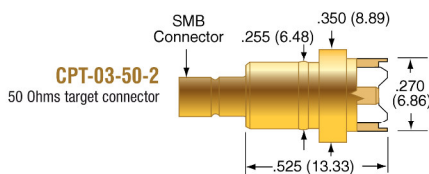
Housing:	Brass, Gold plated
Dielectric:	Premium virgin Teflon per MIL-P-18468

Replaceable Probes

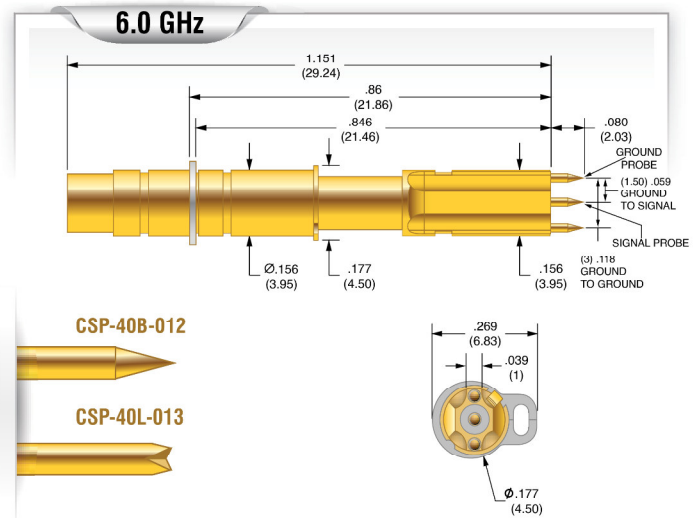
Order Number (CSP-03B-006):	SPL-03B-121
Order Number (CSP-03G-003):	SPL-03G-043

Applications

Designed for use in interconnect applications where signal integrity is required, such as accessing high frequency targets on circuit boards. Can also be used as R.F. mating connector.



CSP-40B-012 CSP-40L-013



CSP-40B-012

CSP-40L-013

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-40B-012	1.9 (53.9)	8.0 (226.8)
Standard	CSP-40L-013	1.9 (53.9)	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
Spring:	Stainless Steel, Nickel Plated

Replaceable Probes

Ground Probe, Order Number (CSP-40B-012)	SPL-00B-089
Signal Probe, Order Number (CSP-40B-012)	SPL-40B-045
Ground Probe, Order Number (CSP-40L-013)	SPL-00L-088
Signal Probe, Order Number (CSP-40L-013)	SPL-40L-046

Applications

The CSP-40 coaxial probe provides instrumentation-quality interface for broadband R.F. measurements up to 6 GHz. 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.

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.