

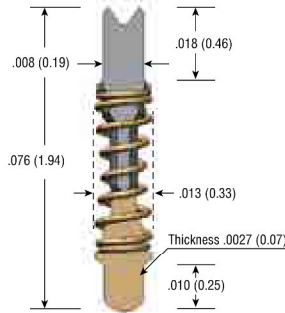
## Z0

0.40 mm, 0.50 mm

### Ultra HIGH Bandwidth

The Z0 Ultra High Bandwidth Series takes advantage of the ZIP® scalable architecture to arrive at an ultra-compact design with 0.50 nH and 0.60 nH inductance tailor made for high frequency testing.

### Z0-040



#### Mechanical

Pitch:	.016 (0.40)
Recommended Travel:	.018 (0.46)
Full Travel:	.020 (0.50)
Test Height:	.059 (1.51)
Mechanical Life*:	200,000 cycles
Operating Temperature:	-55°C to +155°C

#### Spring Force in oz. (grams)

	Order Code	Test Height
Standard		0.66 (19)
High	- 1	0.96 (27)

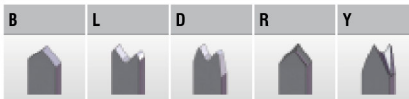
#### Electrical (Static Conditions)

Current Rating DC:	2.5 amps
Average DC Probe Resistance**:	<90 mOhms
Self Inductance (Ls):	0.50 nH
Capacitance (Cc):	0.030 pF
Bandwidth @ -1dB:	>30.0 GHz

#### Materials and Finishes

Plunger DUT:	HyperCore™
Plunger HIB:	BeCu with proprietary plating
Spring:	Stainless Steel, Gold plated

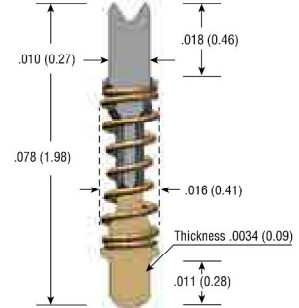
#### Tip Style - DUT



#### Tip Style - HIB



### Z0-050



#### Mechanical

Pitch:	.020 (0.50)
Recommended Travel:	.019 (0.48)
Full Travel:	.022 (0.56)
Test Height:	.059 (1.51)
Mechanical Life*:	500,000 cycles
Operating Temperature:	-55°C to +155°C

#### Spring Force in oz. (grams)

	Order Code	Test Height
Standard		0.65 (18)
High	- 1	1.11 (31)

#### Electrical (Static Conditions)

Current Rating DC:	2.88 amps
Average DC Probe Resistance** :	<90 mOhms
Self Inductance (Ls):	0.60 nH
Capacitance (Cc):	0.03 pF
Bandwidth @ -1dB:	>40.0 GHz

#### Materials and Finishes

Plunger DUT:	HyperCore™
Plunger HIB:	BeCu with proprietary plating
Spring:	Stainless Steel, Gold plated

#### Tip Style - DUT



#### Tip Style - HIB



Series	Size	Tip Style	Spring Force
Z0	050	RHJ	1
Z0	040	BHJ	

\* Life specifications are based on lab results but are dependent on cleaning frequency and the specific customer application, including DUT materials, handler kit, maintenance, etc  
\*\* Contact resistance will increase over time due to solder build-up and wear