

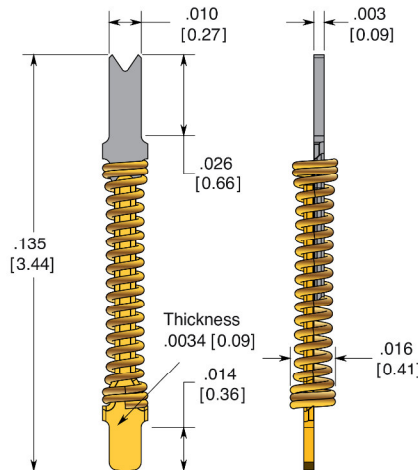
Z-050

0.50 mm

HIGH Bandwidth

The ZIP® Z High Bandwidth Series yields the highest and most stable bandwidth for its package size. The high performance provided by these contacts makes the Z series a perfect choice for the most demanding test applications. High Bandwidth probes are available in .4mm and .5mm pitches. The Z series is offered in two DUT-side plunger material choices: HyperCore for high volume production applications and BeCu for burn-in or low volume applications.

Z-050



Mechanical

| | |
|------------------------------|-----------------|
| Pitch: | .020 (0.50) |
| Recommended Travel: | .025 (0.64) |
| Full Travel: | .030 (0.76) |
| Test Height: | .110 (2.79) |
| Mechanical Life*: | |
| HyperCore DUT plunger: | 500,000 cycles |
| BeCu DUT plunger: | 50,000 cycles |
| Operating Temperature: | -55°C to +155°C |
| Spring Force in oz. (grams): | 1.40 (40) |

Electrical (Static Conditions)

| | |
|---------------------------------|------------|
| Current Rating DC: | 2.8 amps |
| Average DC Probe Resistance** : | < 65 mOhms |
| Self Inductance (Ls): | 1.01 nH |
| Capacitance (Cc): | 0.20 pF |
| Bandwidth @ -1dB: | 25.0 GHz |

Materials and Finishes

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

Tip Style - DUT HyperCore



Tip Style - DUT BeCu



Tip Style - HIB



* 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