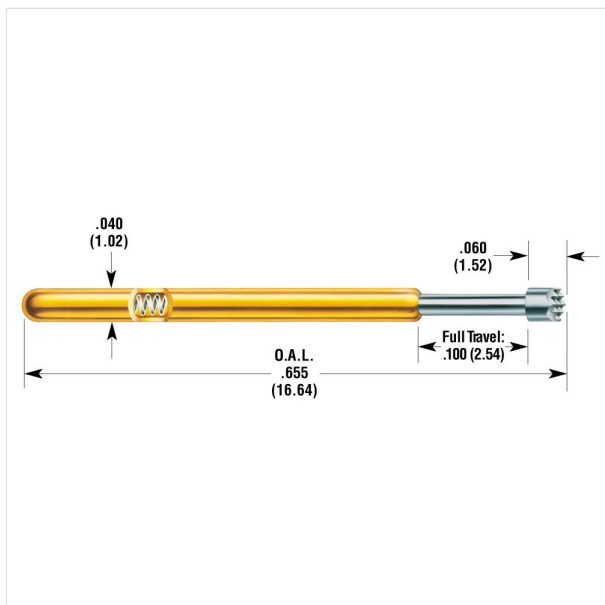


SPA-1

Replaceable Probe

Product Family: SPA



Mechanical:

Test Center (mil): 75
Test Center (mm): 1.91
Overall Length (mil): 655
Overall Length (mm): 16.64
Full Travel (mil): 100
Full Travel (mm): 2.54
Recommended Travel (mil): 67
Recommended Travel (mm): 1.70
Mechanical Life (no of cycles): 1,000,000

Thermal:

Max Operating Temp (°C): 150
Min Operating Temp (°C): -55

Electrical:

Current Rating (Amps): 3
Average Probe Resistance (mOhm): 50

Springs

Force Type - Preload in oz (g) - Rec. Travel in oz (g) - Spring Material

Standard - 1.10 (31.00) - 2.50 (71.00) - Stainless Steel, Silver plated

Alternate - 1.30 (37.00) - 4.50 (128.00) - Stainless Steel, Silver plated

Materials & Finishes:

Plunger Material: Heat-treated BeCu,
 Rhodium plated over hard Nickel

Barrel Material: Work-hardened Phosphor
 Bronze, Gold plated over hard Nickel

Tips:

Technical drawing of a stepped shaft showing dimensions: 90 degree fillet, .060 (1.52) Typical, .021 (0.53) Typical, and .060 (1.52) Typical.

30°

.021 (0.53)
Typical

Figure 10-10 shows a cylindrical part with a 90-degree angle and a dimension of .021 (0.53).

[illegible]

A diagram of a 1000 Ohm 1% resistor. The resistor is represented as a horizontal bar with four color bands. From left to right, the bands are: Brown (1), Black (0), Orange (3), and Gold (5%). Below the resistor, the text "1000 Ohm 1%" is written. To the right of the resistor, the text "1000 Ohm 1%" is written. To the left of the resistor, the text "1000 Ohm 1%" is written.