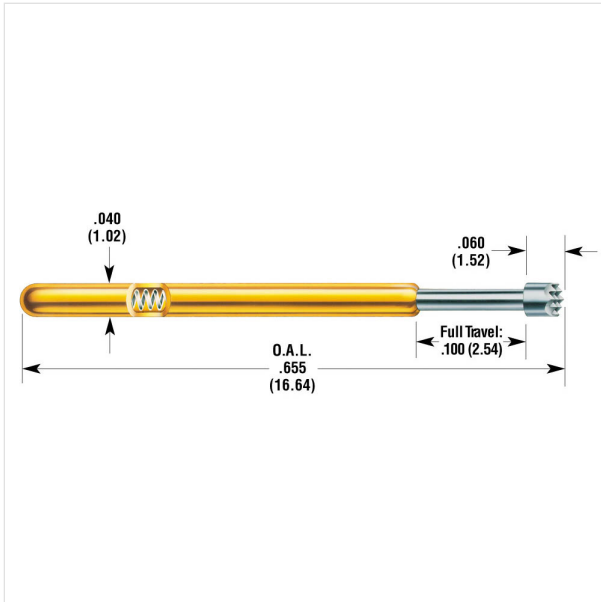


SPA-1

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 with dimensions: 90 degree fillet, .060 (1.52) Typical, .021 (0.53) Typical, and .060 (1.52) Typical.

30°

.021 (0.53)
Typical

Technical drawing of a shaft with a 90-degree angle and a dimension of .021 (0.53).



Full Radius
.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 (2), and Gold (1%). Below the bar, the following labels are present: "1000 Ohm" under the first three bands, "1% Tolerance" under the gold band, and "1000 Ohm" under the entire bar. To the right of the bar, the text "1000 Ohm" is written in a larger font, followed by "1% Tolerance" in a smaller font.