## HPA-52

## High-Performance Short Travel Probe

.039 (0.99)

.021 (0.53) Typica

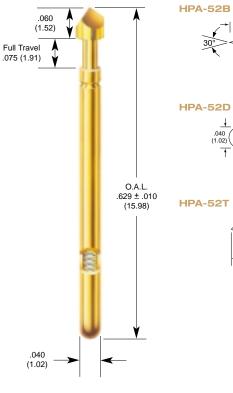
1.021 (0.53)

> .057 (1.45)

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TO ORDER, CALL 909-625-9390

Probe Specifications	HPA-52
Mechanical Full Travel: Recommended Working Travel: Mechanical Life Exceeds:	.075 (1.91) : .075 (1.91) .250 x 10° cycles
Operating Temperature Consult factory for other tempera	-55°C to +150°C ature requirements, and applications below -40° C.
Electrical (Static Conditions) Current Rating: Maximum continuous current, no	3 amps on-inductive at working travel
Probe Resistance With a standard deviation of <5 r	15 mΩ mΩ @ 25 mA test current
Materials and Finishes Plunger: Barrel:	Heat-treated beryllium copper, gold plated over hard nickel Work-hardened phosphor bronze,
Spring:	HPA-GOLD™ plated (I.D. and O.D.) over hard nickel Stainless steel, silver plated
Receptacle Specificat	ions
Mounting Hole Size: A #54 or 1.44 mm drill is most o	.053/.055 (1.35/1.40)
Recommended Wire Gauge:	24-28 AWG
Connections:	SPR-1W Crimp SPR-1W-1 Solder cup SPR-1W-2/SPR-1W-2M Wire wrap/square post. Vacuum leak rate not to exceed 1 x 10 <sup>4</sup> CFM @ 15 psi
Materials and Finishes Housing: Square Post:	Work-hardened nickel silver, gold plated over hard nickel Phosphorous bronze, gold plated
Spring Force in oz. (gr Spring Type	<b>ams)</b> Preload 3/4 Travel
To order, add dash number to M Standard as shown Alternate -1 Optional spring forces and materials	1.68 (48) 3.22 (91)   2.54 (72) 6.2 (176)
.03 (0.8 Typi	
SPR-1W-1	Typical
Ô	Solder Cup Press Ring + .004
SPR-1W-2 🗹	.056 +.004 (1.42)000 Typical
	1.06 (26.92)
☑.025 (0.64) <	
SPR-1W-2M	.940 _1
4	(23.88)
Ø.025 (0.64) <	



HPA-52

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