

# Spring Pin

## 0.5mm Pitch



A rugged spring pin with exceptionally low CRES and high CCC.

Designed for **Power** applications

### MATERIAL

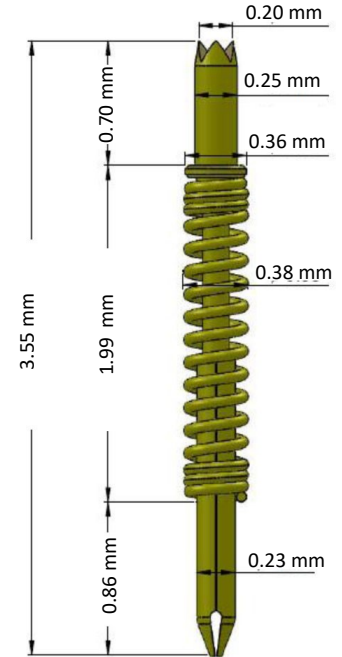
Top Contact	Hardened BeCu [Ni, Au]
Bottom Contact	Hardened BeCu [Ni, Au]
Spring	Stainless Steel [Au]

### MECHANICAL PROPERTIES

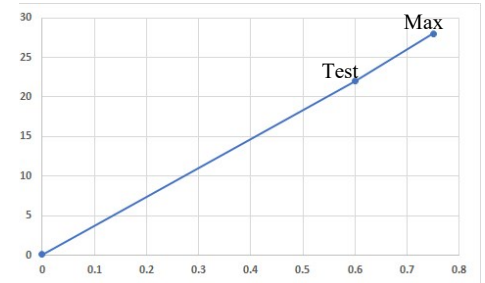
Pitch	0.5 mm
Free Length	3.55 mm
Spring Force at Recommend Travel	22 g @ 0.60 mm
Maximum Travel	0.75 mm
Operating Temperature	-40 to 150 °C
Expected Life Cycles	500,000+

### ELECTRICAL CHARACTERISTICS

Contact Resistance Average	<50mΩ
Current Rating	5.0 A
Simulation Pattern	(G-S-G) @ 0.5 mm pitch
Dielectric Constant	3.5
-1dB Insertion Loss	11.58 GHz
-10dB Return Loss	7.85 GHz
Self Inductance	1.09 nH
Capacitance	0.20 pF



Force Chart



Travel (mm)

PMS-050

