



# Coaxial Pogo Interface Block

## Interconnect Product

### PRODUCT DESCRIPTION

Coaxial probe technologies are ideal for highly reliable interconnect solution to Automated Test Equipment, Medical, and Telecommunication markets. High density cable assembly for optimized signal integrity in smallest foot print with our own SMMP connector.

- Robust electrical and physical design for reliable operation
- Flexible customized design
- Combined with high quality TempFlex cable

### SPECIFICATIONS

Coaxial High Performance Pogo Interface		
Parameters	Units	
<b>Physical properties</b>		
Deflection amount	Inch (mm)	0.090 to 0.110 (1.78 to 2.54)
Compression force	Ounces (gram)	2.65 (75)
Mechanical life	Cycle	50,000 @ 100% deflection
<b>Electrical properties</b>		
Carry current	Amp	1
Resistance	mΩ	<75
Propagation delay, One way	Ps	<1.3
Attenuation Vs. frq.	dB	<-1 @ 3GHz
	dB	<-1.65 @ 10GHz
Return loss	dB	>27 @ 3GHz
	dB	>18 @ 10GHz
<b>Cable specification (047-2801)</b>		
Signal conductor	Inch (mm)	0.0126 (0.32)
Signal material		Silver Plated Copper
Monofilament		PFA, Blue
Impedance	Ω	50 ± 1
Inductance	uH/ft (uH/m)	0.058 (0.19)
Cut off frequency	GHz	144
Velocity of propagation	%	88
<b>Environmental rating</b>		
Operating temperature	°C	-20 to +85

All measurement data taken with 1' long cable with 047-2801 for reference purpose only