

Radio Frequency Probes

HF66-0005

Item number 1024461

General

Design	Coaxial Probe
Type/family	HF66
Pitch (mm/mil)	4,00 / 157
Temperature [C°]	-45°C...+100°C

Electrical specifications

Continuous current (A)	0.50
Impedance (ohm)	50.00
Frequency (GHz)	6.00
Continuous current 2 (A)	0.10

Inner contact specifications

Nominal travel 2 (mm)	0.50
Maximum travel 2 (mm)	0.80
Preload 2 (cN)	95.00
Spring force 2 (cN)	120.00

Mechanical specifications

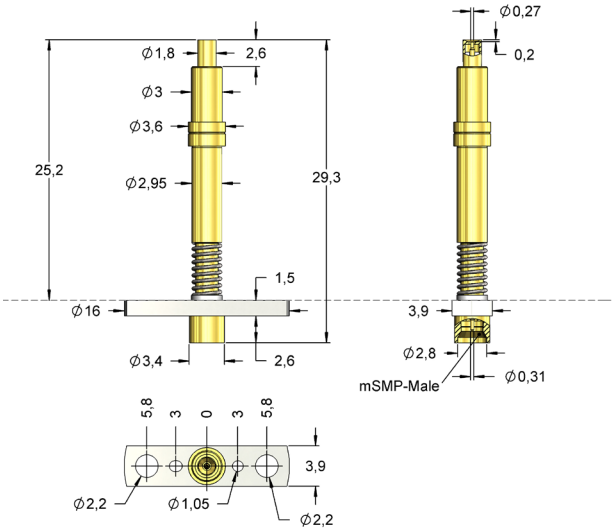
Preload (cN)	150.00
Spring force (cN)	420.00
Nominal travel (mm)	2.00
Maximum travel (mm)	2.70
DUT	KSC

Dimensions

Total length (mm)	29.25
Projection height (mm)	25.15
Tip style diameter (mm)	1.80
Barrel diameter (mm)	3.60
Collar diameter (mm)	16.00
Press ring diameter (mm)	16.00
Inside/outside distance (mm)	0.20
Tip style diameter 2 (mm)	0.27

Family drawing

All measurements are in mm.



RADIO FREQUENCY PERFORMANCE

Typical insertion loss	DC up to 3 GHz	3 GHz up to 6 GHz
Maximum	0,4 dB	0,6 dB
Typical return loss	**DC up to 3 GHz**	**3 GHz up to 6 GHz**
Minimum	22 dB	16 dB

This table shows the reference values in the middle and at the end of the recommended frequency.

Materials & surfaces

Tip style	05
Tip style 2	16
Tip style material	Beryllium cooper
Tip style plating	Gold
Plunger material	Brass
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	High-grade steel
Spring plating	Uncoated
Plunger material 2	Beryllium cooper
Plunger plating 2	Gold
Spring material 2	Spring steel
Spring plating 2	Gold