

Radio Frequency Probes

HF66-0009

Item number 1024465

General

Design	Coaxial Probe
Type/family	HF66
Pitch (mm/mil)	5,00 / 197
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

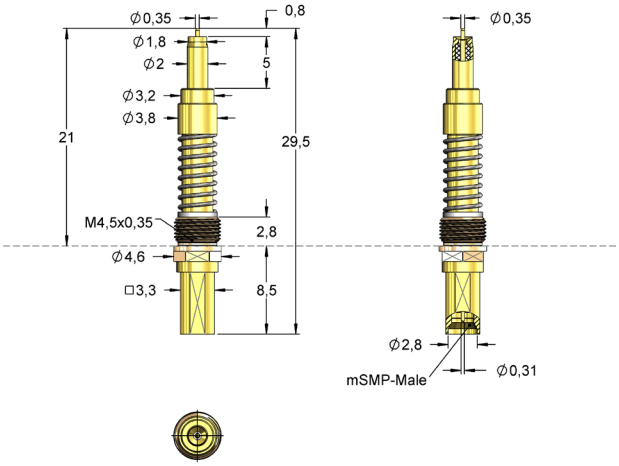
Nominal travel 2 (mm)	0.50
Maximum travel 2 (mm)	0.80
Preload 2 (cN)	95.00
Spring force 2 (cN)	120.00

Mechanical specifications

Preload (cN)	240.00
Spring force (cN)	360.00
Nominal travel (mm)	2.00
Maximum travel (mm)	3.00
Thread	M4,5X0,35
Tool size (mm)	4,0
DUT	SWH

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	0,7 dB
Typical return loss	**DC up to 3 GHz**	**3 GHz up to 6 GHz**
Minimum	20 dB	14 dB

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

Dimensions

Total length (mm)	29.50
Projection height (mm)	21.00
Tip style diameter (mm)	1.80
Barrel diameter (mm)	3.80
Collar diameter (mm)	4.60
Press ring diameter (mm)	4.60
Inside/outside distance (mm)	0.80
Tip style diameter 2 (mm)	0.35

Materials & surfaces

Tip style	05
Tip style 2	11
Tip style material	Brass
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