

Radio Frequency Probes

HF05-0002

Item number 1024472

General

Design	Coaxial Probe
Type/family	HF05
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

Preload 2 (cN)	65.00
Spring force 2 (cN)	80.00

Mechanical specifications

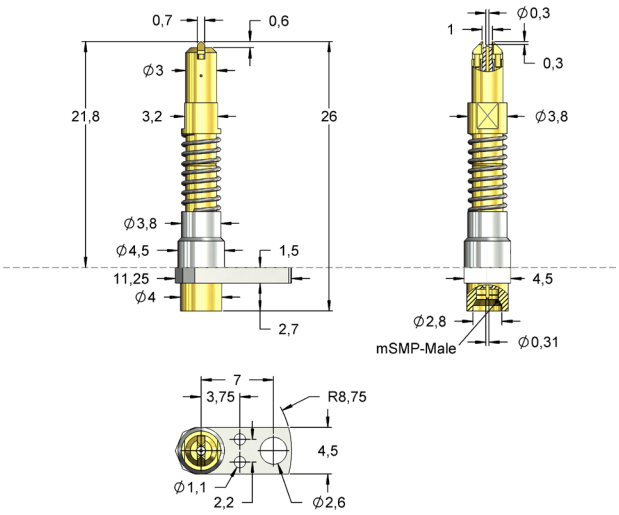
Preload (cN)	240.00
Spring force (cN)	270.00
Nominal travel (mm)	0.50
Maximum travel (mm)	3.00
DUT	GSG

Dimensions

Total length (mm)	26.00
Projection height (mm)	21.80
Tip style diameter (mm)	3.00
Barrel diameter (mm)	4.50
Inside/outside distance (mm)	0.30
Tip style diameter 2 (mm)	0.30

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	0,6 dB	1,0 dB
Typical return loss	**DC up to 3 GHz**	**3 GHz up to 6 GHz**
Minimum	14 dB	14 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	11
Tip style material	Beryllium cooper
Tip style plating	Gold
Plunger material	Cooper
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