

Radio Frequency Probes

HF66-0014

Item number 1024470

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

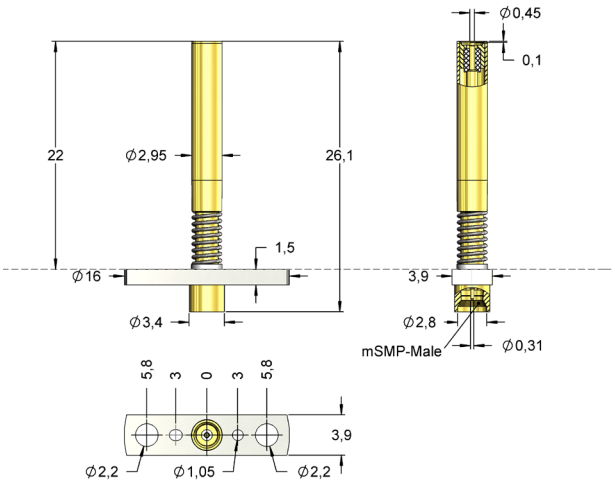
Preload (cN)	280.00
Spring force (cN)	420.00
Nominal travel (mm)	1.50
Maximum travel (mm)	2.20
DUT	MHF/U.FL

Dimensions

Total length (mm)	26.10
Projection height (mm)	22.00
Tip style diameter (mm)	2.95
Barrel diameter (mm)	2.95
Collar diameter (mm)	16.00
Press ring diameter (mm)	16.00
Inside/outside distance (mm)	0.10
Tip style diameter 2 (mm)	0.45

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.

Materials & surfaces

Tip style	05
Tip style 2	16
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