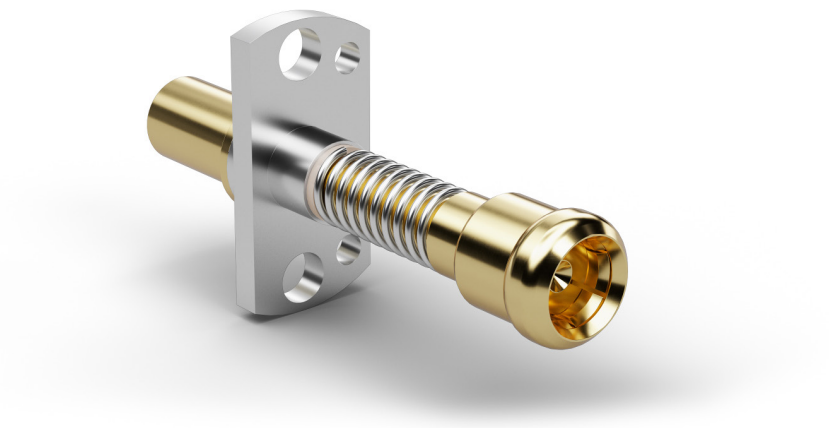


Radio Frequency Probes

HF66-0017

Item number 1037623

General

Design	Coaxial Probe
Type/family	HF66
Pitch (mm/mil)	7,40 / 290
Temperature [C°]	-45°C...+100°C

Electrical specifications

Continuous current (A)	10.00
Impedance (ohm)	50.00
Frequency (GHz)	6.00
Continuous current 2 (A)	3.00

Inner contact specifications

Nominal travel 2 (mm)	1.00
Maximum travel 2 (mm)	1.30
Preload 2 (cN)	110.00
Spring force 2 (cN)	150.00

Mechanical specifications

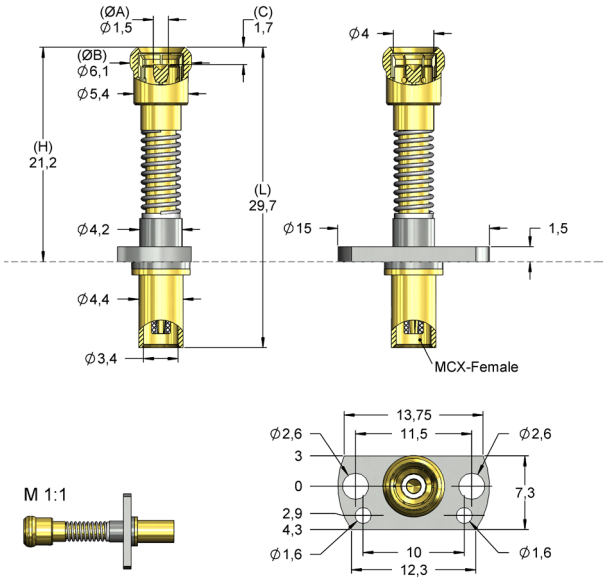
Preload (cN)	500.00
Spring force (cN)	665.00
Nominal travel (mm)	2.00
Maximum travel (mm)	3.00
DUT	FAKRA-MALE

Dimensions

Total length (mm)	29.74
Projection height (mm)	19.74
Tip style diameter (mm)	6.10
Barrel diameter (mm)	4.20
Inside/outside distance (mm)	-1.70
Tip style diameter 2 (mm)	1.50

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	17 dB	12 dB

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

Materials & surfaces

Tip style	52
Tip style 2	05
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