

Radio Frequency Probes

HF77-0002BG01-1

Item number 1036172

General

Design	Coaxial Probe
Type/family	HF77
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)	12.00
Continuous current 2 (A)	0.10

Inner contact specifications

Nominal travel 2 (mm)	0.50
Maximum travel 2 (mm)	1.80
Preload 2 (cN)	95.00
Spring force 2 (cN)	120.00

Mechanical specifications

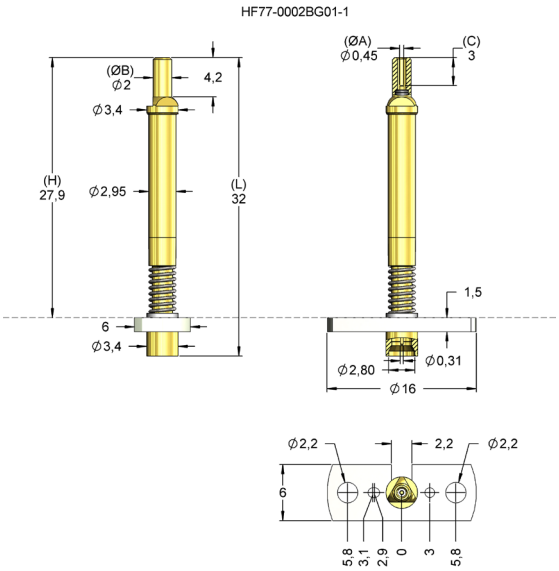
Preload (cN)	230.00
Spring force (cN)	420.00
Nominal travel (mm)	2.00
Maximum travel (mm)	2.80
DUT	MATE-AX Male 1 Pos

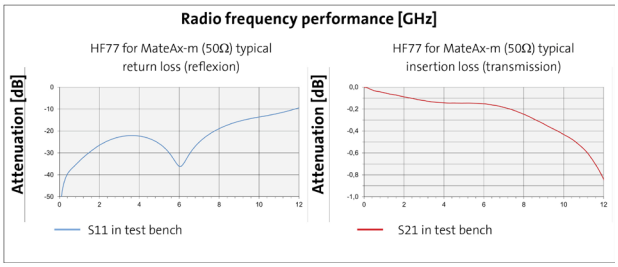
Dimensions

Total length (mm)	32.00
Projection height (mm)	28.00
Tip style diameter (mm)	2.00
Barrel diameter (mm)	3.40
Inside/outside distance (mm)	3.00
Tip style diameter 2 (mm)	0.45

Family drawing

All measurements are in mm.





Materials & surfaces

Tip style	50
Tip style 2	16
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