

Radio Frequency Probes

HF83005B0003G540

Item number 1050705

General

Design	Coaxial Probe
Type/family	HF830
Pitch (mm/mil)	6,50 / 256
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)	2.50
Maximum travel 2 (mm)	3.00
Preload 2 (cN)	50.00
Spring force 2 (cN)	140.00

Mechanical specifications

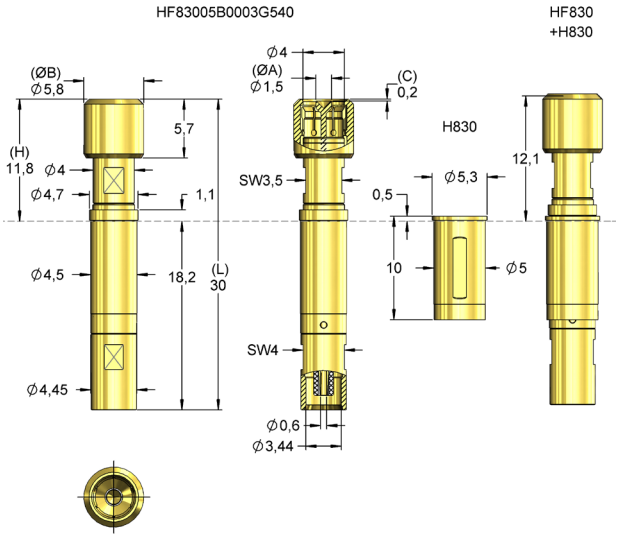
Preload (cN)	100.00
Spring force (cN)	400.00
Nominal travel (mm)	2.00
Maximum travel (mm)	3.00
Tool size (mm)	3,5/4,0
DUT	FAKRA-Male

Dimensions

Total length (mm)	30.00
Projection height (mm)	11.80
Tip style diameter (mm)	5.80
Barrel diameter (mm)	4.50
Collar diameter (mm)	4.70
Press ring diameter (mm)	4.70
Inside/outside distance (mm)	-0.20
Tip style diameter 2 (mm)	1.50

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	05
Tip style 2	05
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

Accessories

Receptacle	H830
Tool for receptacle	FEWZ-822E0