

Radio Frequency Probes

HF81912B0002G2020

Item number 1033153

General

Design	Coaxial Probe
Type/family	HF819
Pitch (mm/mil)	12,0 / 472
Temperature [C°]	-45°C...+100°C

Electrical specifications

Continuous current (A)	10.00
Typical contact resistance (mOhm)	1.00
Impedance (ohm)	100.00
Frequency (GHz)	1.00
Continuous current 2 (A)	3.00
Typical contact resistance 2 (mOhm)	20.00

Inner contact specifications

Nominal travel 2 (mm)	2.00
Maximum travel 2 (mm)	3.70
Preload 2 (cN)	75.00
Spring force 2 (cN)	130.00

Mechanical specifications

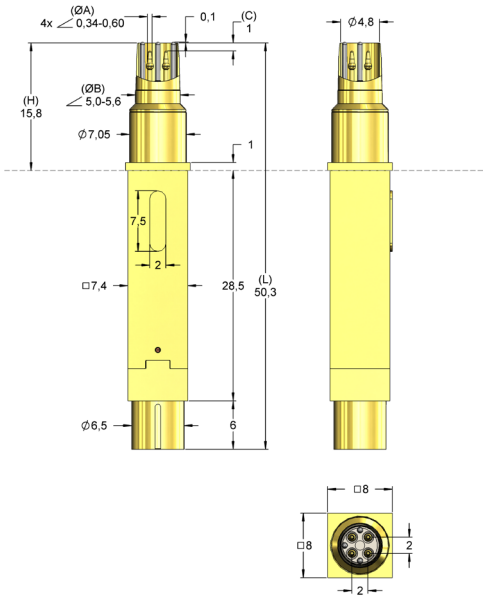
Preload (cN)	900.00
Spring force (cN)	1500.00
Nominal travel (mm)	5.00
Maximum travel (mm)	6.00
Tool size (mm)	6,0
DUT	HSD-Female

Dimensions

Total length (mm)	50.30
Projection height (mm)	15.80
Tip style diameter (mm)	5.30
Barrel diameter (mm)	7.40
Collar diameter (mm)	8.00
Press ring diameter (mm)	8.00
Inside/outside distance (mm)	-1.00
Tip style diameter 2 (mm)	0.90

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	12
Tip style 2	12
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	KT819