



Radio Frequency Probes

HF819HSDf011G2020H819AEPP

Order code 1033153

General

Design	Coaxial Probe
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

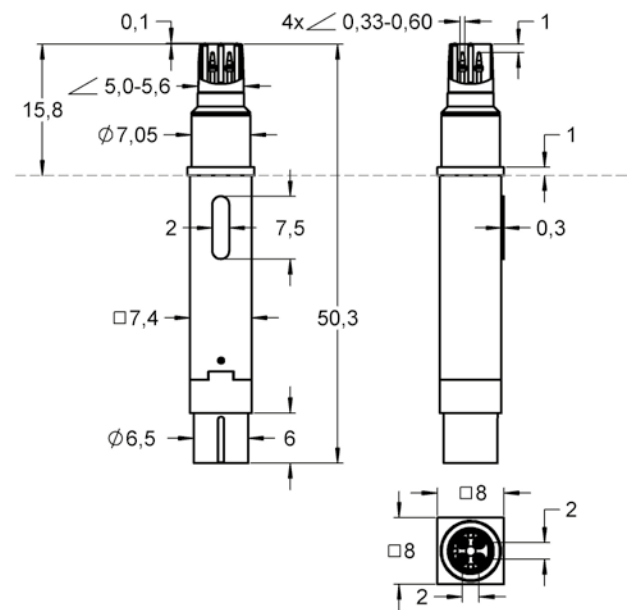
Nominal travel 2 [mm]	2.00
Maximum travel 2 [mm]	3.70
Preload 2 [cN]	75.00
Spring force 2 [cN]	130.00

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
Connection type (flux-proof)	Connection Element
DUT	HSD-Female

Family drawing

All measurements are in mm.



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

Materials & surfaces

Tip style	12
Tip style 2	12
Plunger material	Beryllium copper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	High-grade steel
Spring plating	Uncoated
Plunger material 2	Beryllium copper
Plunger plating 2	Gold
Spring material 2	Spring steel
Spring plating 2	Gold

Accessories

Receptacle	KT819
Tool for probe	1035932-FZWZ-004
Other	1013563-H819AEPHSDmL023, 1092029-KT819K01, 1012656-HFAEHSDf6GHSDfL500, 1029008-F08612B060150090G130L384, 1013562-H819AEPLAL020

Tip style 1

