

Kelvin Probes

F81912B0002G2020

Item number 1137519

General

Design	Coaxial Probe
Type/family	F819
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
Continuous current 2 (A)	4.00
Typical contact resistance 2 (mOhm)	20.00

Inner contact specifications

Nominal travel 2 (mm)	3.00
Maximum travel 2 (mm)	5.80
Preload 2 (cN)	75.00
Spring force 2 (cN)	130.00

Mechanical specifications

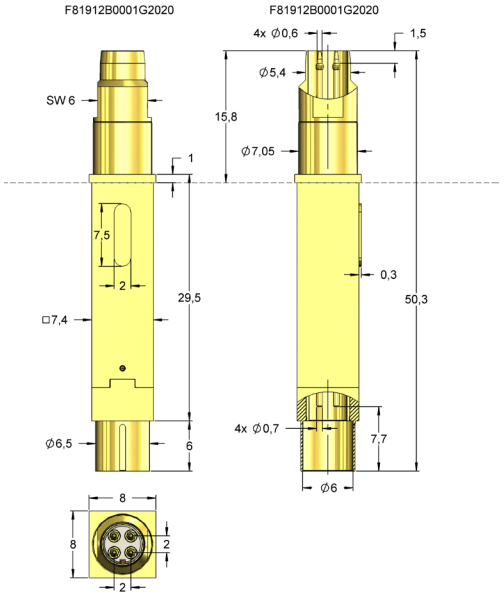
Preload (cN)	900.00
Spring force (cN)	1500.00
Nominal travel (mm)	5.00
Maximum travel (mm)	6.00
DUT	HSD Female

Dimensions

Total length (mm)	50.30
Projection height (mm)	15.80
Tip style diameter (mm)	0.90
Barrel diameter (mm)	7.40
Collar diameter (mm)	8.00
Press ring diameter (mm)	8.00
Tip style diameter 2 (mm)	0.60

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	50
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	Silver