



Kelvin Probes

F83205S0008L650IK10

Order code 1009719

General

Design	Coaxial Probe
Family	F832
Pitch [mm/mil]	5.50 / 217
Temperature [C°]	-45°C...+200°C
Additional definition	IK10

Electrical specifications

Continuous current [A]	6.00
Typical contact resistance [mOhm]	60.00
Impedance [ohm]	50.00
Frequency [GHz]	1.20
Continuous current 2 [A]	1.60
Typical contact resistance 2 [mOhm]	30.00

Inner contact specifications

Nominal travel 2 [mm]	3.00
Maximum travel 2 [mm]	3.50
Preload 2 [cN]	100.00
Spring force 2 [cN]	200.00

Mechanical specifications

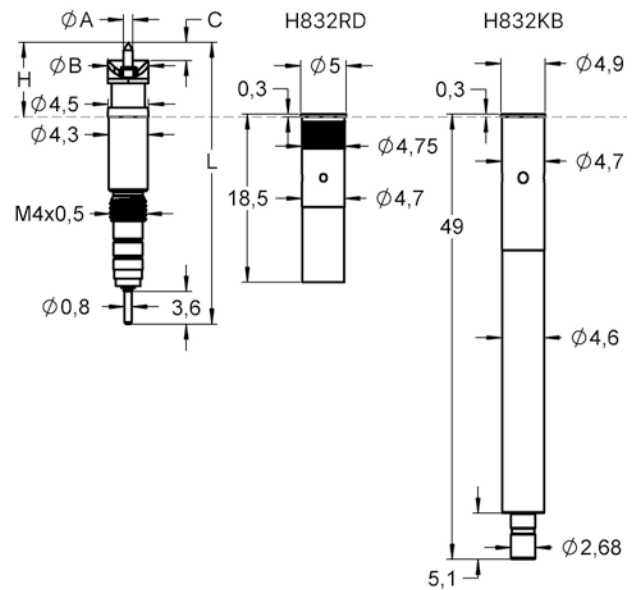
Preload [cN]	250.00
Spring force [cN]	450.00
Nominal travel [mm]	2.00
Maximum travel [mm]	2.60
Thread	M4X0.5

Dimensions

Total length [mm]	31.80
Projection height [mm]	9.00
Tip style diameter [mm]	4.00
Barrel diameter [mm]	4.30
Collar diameter [mm]	4.50
Press ring diameter [mm]	4.50
Inside/outside distance [mm]	2.80
Tip style diameter 2 [mm]	0.60

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	05
Tip style 2	05
Plunger material	Beryllium copper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	High-grade steel
Spring plating	Uncoated
Plunger material 2	Steel
Plunger plating 2	Longtime Gold
Spring material 2	High-grade steel
Spring plating 2	Uncoated

Accessories

Tool for receptacle	FEWZ-822E0
Tool for probe	1017381-FWZ832, 1017382-FWZ832T, 1017392-BIT832
Other	1017380-H832RD, 1000788-H832, 1017378-H832KB, 1107999-H832KBAT, 1017356-H822AE

Tip style 1

