

Kelvin Probes

F83203S0003L650

Item number 1017308

General

Design	Coaxial Probe
Type/family	F832
Pitch (mm/mil)	5,50 / 217
Temperature [C°]	-45°C...+200°C

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

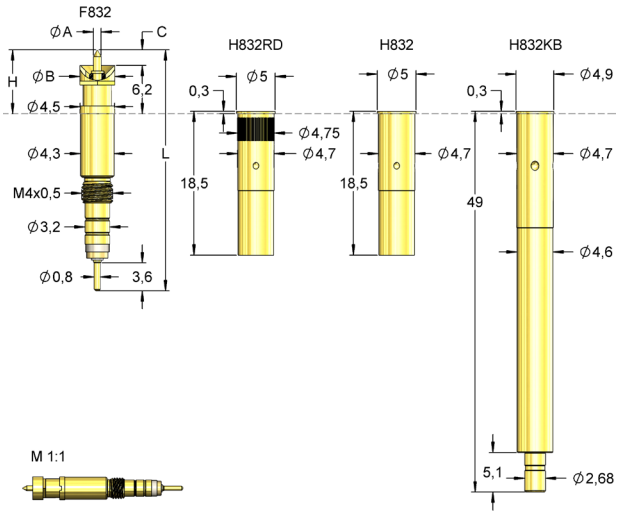
Preload (cN)	250.00
Spring force (cN)	450.00
Nominal travel (mm)	2.00
Maximum travel (mm)	2.60
Thread	M4X0,5

Dimensions

Total length (mm)	31.00
Projection height (mm)	8.20
Tip style diameter (mm)	4.50
Barrel diameter (mm)	4.30
Collar diameter (mm)	4.50
Press ring diameter (mm)	4.50
Inside/outside distance (mm)	2.00
Tip style diameter 2 (mm)	1.00

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	05
Tip style 2	03
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	Steel
Plunger plating 2	Longtime Gold
Spring material 2	High-grade steel
Spring plating 2	Uncoated

Accessories

Tool for receptacle	FEWZ-822E0