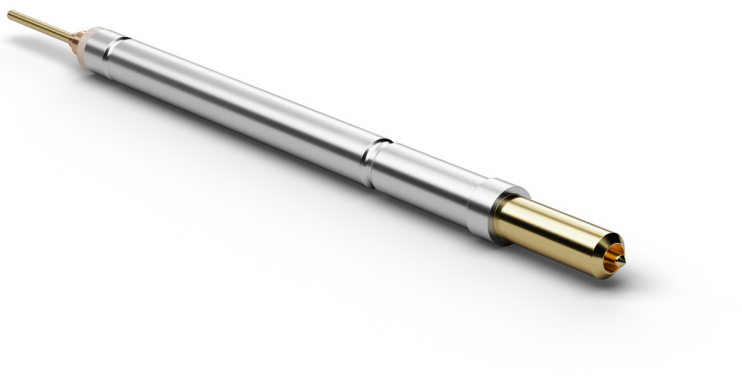


Kelvin Probes

F81001S040L170

Item number 1001710

General

Design	Coaxial Probe
Type/family	F810
Pitch (mm/mil)	2,54 / 100
Temperature [C°]	-45°C...+100°C

Electrical specifications

Continuous current (A)	3.00
Typical contact resistance (mOhm)	20.00
Impedance (ohm)	50.00
Frequency (GHz)	1.20
Continuous current 2 (A)	0.80

Inner contact specifications

Nominal travel 2 (mm)	2.80
Maximum travel 2 (mm)	4.00
Preload 2 (cN)	10.00
Spring force 2 (cN)	70.00

Mechanical specifications

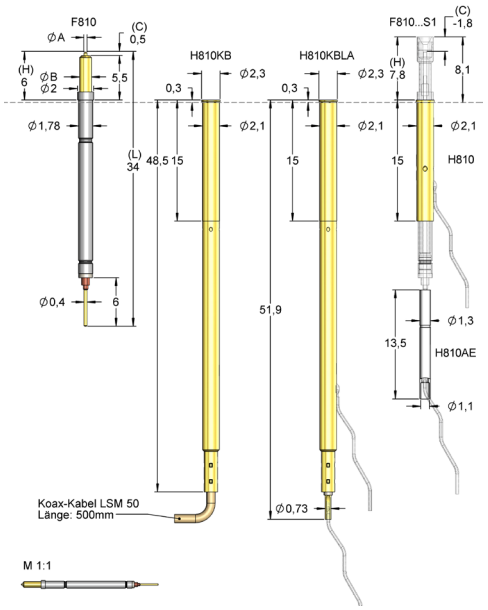
Preload (cN)	40.00
Spring force (cN)	100.00
Nominal travel (mm)	2.30
Maximum travel (mm)	3.50
Connection type (flux-proof)	Wire Round

Dimensions

Total length (mm)	34.00
Projection height (mm)	6.00
Tip style diameter (mm)	1.50
Barrel diameter (mm)	1.78
Collar diameter (mm)	2.00
Press ring diameter (mm)	2.00
Inside/outside distance (mm)	0.50
Tip style diameter 2 (mm)	0.40

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	50
Tip style 2	01
Tip style material	Beryllium cooper
Tip style plating	Gold
Plunger material	Cooper
Plunger plating	Gold
Barrel material	Bronze
Barrel plating	Silver
Spring material	Spring steel
Spring plating	Silver
Plunger material 2	Steel
Plunger plating 2	Longtime Gold
Spring material 2	Spring steel
Spring plating 2	Silver

Accessories

Tool for receptacle	FEWZ-772E0