

Kelvin Probes

F81016S040L170

Item number 1004548

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

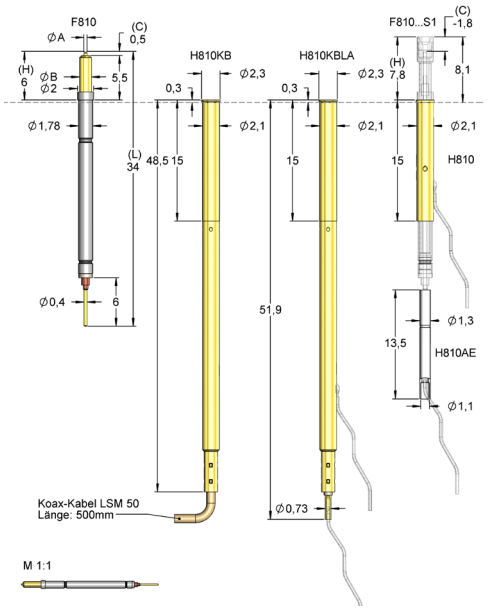
Preload (cN)	40.00
Spring force (cN)	100.00
Nominal travel (mm)	2.30
Maximum travel (mm)	3.50

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)	0.40
Tip style diameter 2 (mm)	0.40

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	50
Tip style 2	16
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