

Kelvin Probes

F83511B0009G120

Item number 1139649

General

Design	Coaxial Probe
Type/family	F835
Pitch (mm/mil)	3,50 / 138
Temperature [C°]	-45°C...+100°C

Electrical specifications

Continuous current (A)	10.00
Typical contact resistance (mOhm)	20.00
Impedance (ohm)	50.00
Frequency (GHz)	2.00
Continuous current 2 (A)	2.00
Typical contact resistance 2 (mOhm)	120.00

Inner contact specifications

Nominal travel 2 (mm)	4.00
Maximum travel 2 (mm)	5.00
Preload 2 (cN)	15.00
Spring force 2 (cN)	50.00

Mechanical specifications

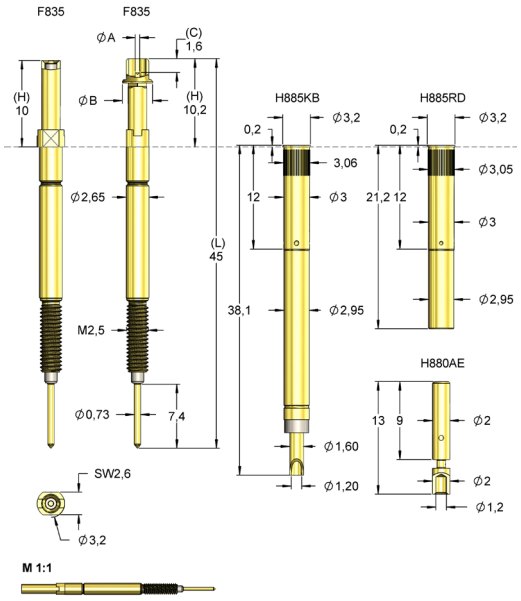
Preload (cN)	30.00
Spring force (cN)	70.00
Nominal travel (mm)	4.00
Maximum travel (mm)	4.50
Thread	M2,5
Tool size (mm)	2,6
DUT	BMZ031-000

Dimensions

Total length (mm)	43.80
Projection height (mm)	9.00
Tip style diameter (mm)	2.75
Barrel diameter (mm)	2.65
Collar diameter (mm)	3.20
Inside/outside distance (mm)	-0.90
Tip style diameter 2 (mm)	0.45

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	05
Tip style 2	11
Tip style material	Beryllium cooper
Tip style plating	Gold
Plunger material	Cooper
Plunger plating	Gold
Barrel material	Brass
Barrel plating	Gold
Spring material	Spring steel
Spring plating	Silver
Plunger material 2	Beryllium cooper
Plunger plating 2	Gold
Spring material 2	High-grade steel
Spring plating 2	Silver

Accessories

Tool for receptacle	FEWZ-774E0