



Kelvin Probes

F83505B0005G350

Order code 1167934

General

Design	Coaxial Probe
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

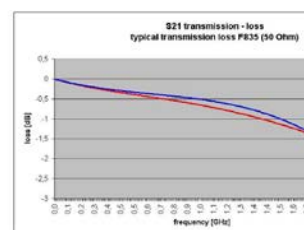
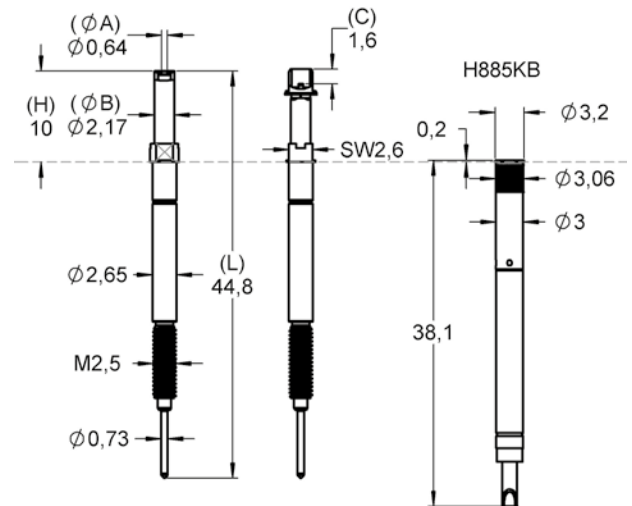
Preload [cN]	80.00
Spring force [cN]	300.00
Nominal travel [mm]	4.00
Maximum travel [mm]	5.00
Thread	M2.5
Tool size [mm]	2.6
DUT	HFM Male 1 Pos

Dimensions

Total length [mm]	45.00
Projection height [mm]	10.20
Tip style diameter [mm]	3.50
Barrel diameter [mm]	2.65
Collar diameter [mm]	3.20
Inside/outside distance [mm]	-1.60
Tip style diameter 2 [mm]	0.52

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	Spring steel
Spring plating	Silver
Plunger material 2	Beryllium copper
Plunger plating 2	Gold
Spring material 2	High-grade steel
Spring plating 2	Silver

Accessories

Tool for receptacle	FEWZ-774E0
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