



Kelvin Probes

F83509B0001G180

Order code 1016274

General

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]	50.00
Spring force 2 [cN]	110.00

Mechanical specifications

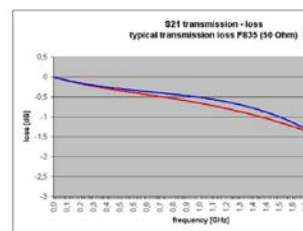
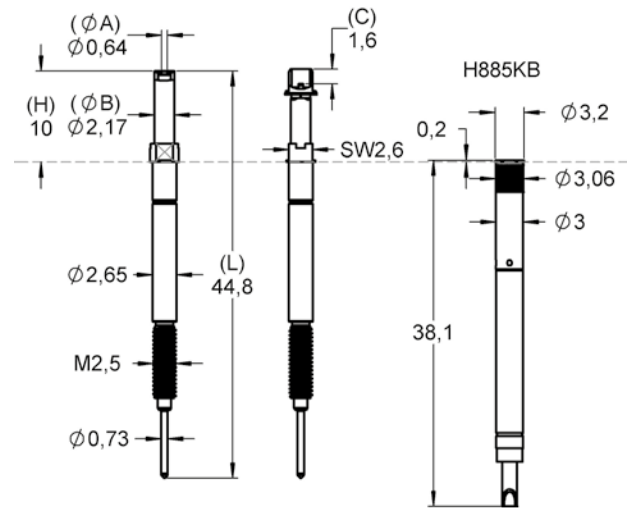
Preload [cN]	30.00
Spring force [cN]	70.00
Nominal travel [mm]	4.00
Maximum travel [mm]	5.00
Thread	M2.5
Tool size [mm]	2.6

Dimensions

Total length [mm]	44.80
Projection height [mm]	10.20
Tip style diameter [mm]	2.17
Barrel diameter [mm]	2.65
Collar diameter [mm]	3.20
Press ring diameter [mm]	3.20
Tip style diameter 2 [mm]	0.64

Family drawing

All measurements are in mm.



Materials & surfaces

Tip style	05
Tip style 2	09
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	Spring steel
Spring plating 2	Silver

Accessories

Tool for receptacle	FEWZ-774E0
Tool for probe	1001683-FWZ885, 1009781-FWZ885T
Other	1003080-H885KB, 1037131-H885KBAT, 1036356-H885KBIS, 1003079-H885IS, 1002935-H885KB-5

Tip style 1



Tip style 2

