

FM Choice

Kelvin Probes

F83505B0006G120

Item number 1029805

General

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

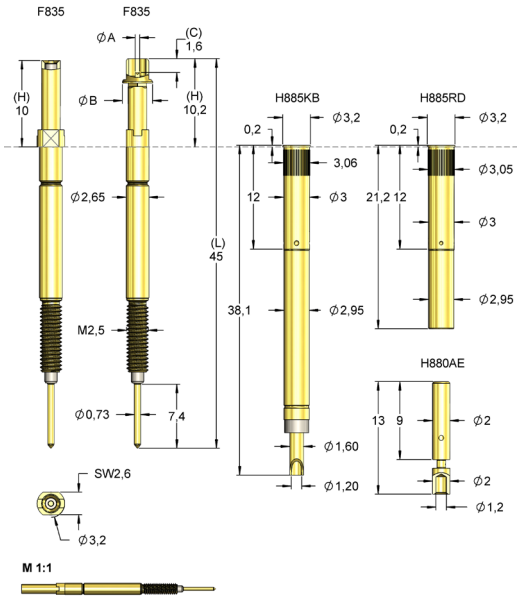
Nominal travel 2 (mm)	4.00
Maximum travel 2 (mm)	5.00
Preload 2 (cN)	15.00
Spring force 2 (cN)	50.00

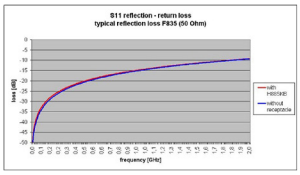
Mechanical specifications

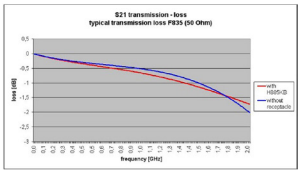
Preload (cN)	30.00
Spring force (cN)	70.00
Nominal travel (mm)	4.00
Maximum travel (mm)	5.00
Thread	M2,5
Tool size (mm)	2,6
DUT	MATE-AX Male 1 Pos

Family drawing

All measurements are in mm.







Dimensions

Total length (mm)	45.50
Projection height (mm)	10.50
Tip style diameter (mm)	3.20
Barrel diameter (mm)	2.65
Collar diameter (mm)	3.20
Inside/outside distance (mm)	-1.90
Tip style diameter 2 (mm)	0.52

Materials & surfaces

Tip style	05
Tip style 2	05
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