

FM Choice

Kelvin Probes

F83211S0021L650

Item number 1057671

General

Design	Coaxial Probe
Type/family	F832
Pitch (mm/mil)	5,50 / 217
Temperature [C°]	-45°C...+200°C

Electrical specifications

Continuous current (A)	6.00
Typical contact resistance (mOhm)	60.00
Impedance (ohm)	50.00
Frequency (GHz)	1.20
Continuous current 2 (A)	1.60
Typical contact resistance 2 (mOhm)	30.00

Inner contact specifications

Nominal travel 2 (mm)	3.00
Maximum travel 2 (mm)	3.50
Preload 2 (cN)	100.00
Spring force 2 (cN)	200.00

Mechanical specifications

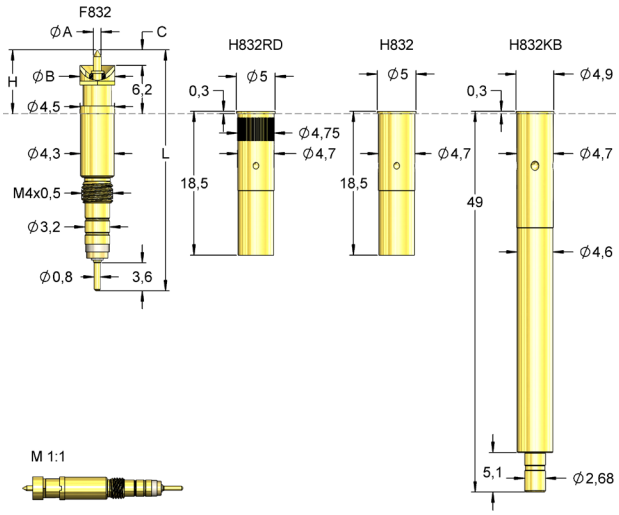
Preload (cN)	250.00
Spring force (cN)	450.00
Nominal travel (mm)	2.00
Maximum travel (mm)	2.60
Thread	M4X0,5
DUT	FAKRA-FEMALE

Dimensions

Total length (mm)	32.00
Projection height (mm)	9.20
Tip style diameter (mm)	3.60
Barrel diameter (mm)	4.30
Collar diameter (mm)	4.50
Press ring diameter (mm)	4.50
Inside/outside distance (mm)	0.50
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	High-grade steel
Spring plating	Uncoated
Plunger material 2	Steel
Plunger plating 2	Longtime Gold
Spring material 2	High-grade steel
Spring plating 2	Uncoated

Accessories

Tool for receptacle	FEWZ-822E0