

FM Choice

Kelvin Probes

# F82203S0011L650

**Item number 1017321**

## General

| | |
|---|---|
| Design | Coaxial Probe |
| Type/family | F822 |
| 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

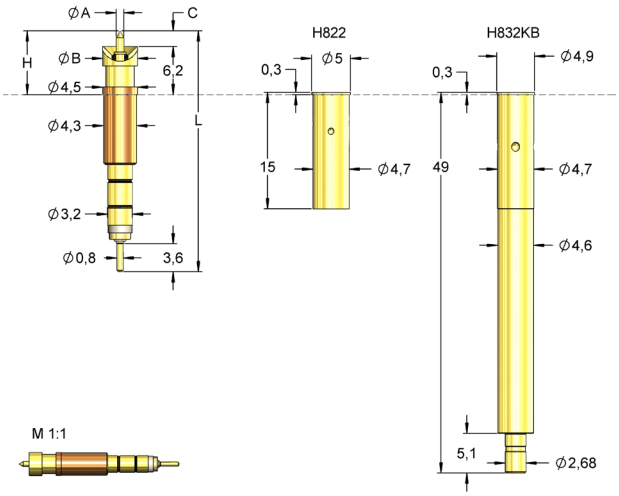
| | |
|---|---|
| Preload (cN) | 250.00 |
| Spring force (cN) | 450.00 |
| Nominal travel (mm) | 2.00 |
| Maximum travel (mm) | 2.60 |

## Dimensions

| | |
|---|---|
| Total length (mm) | 31.00 |
| Projection height (mm) | 8.20 |
| Tip style diameter (mm) | 4.00 |
| Barrel diameter (mm) | 4.30 |
| Collar diameter (mm) | 4.50 |
| Press ring diameter (mm) | 4.50 |
| Inside/outside distance (mm) | 2.00 |
| Tip style diameter 2 (mm) | 0.50 |

## Family drawing

All measurements are in mm.




## Materials & surfaces

| | |
|---|---|
| Tip style | 05 |
| Tip style 2 | 03 |
| Tip style material | Beryllium cooper |
| Tip style plating | Gold |
| Plunger material | Cooper |
| Plunger plating | Gold |
| Barrel material | Bronze |
| Barrel plating | Uncoated |
| 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 |