

## Kelvin Probe 216 mil Plug-in F822

|                           |                |
|---------------------------|----------------|
| <b>Centers (mm/mil)</b>   | 5,50 / 216     |
| <b>Temperature</b>        | -40°C...+250°C |
| <b>Current (Circular)</b> | 6,0 A          |
| <b>Current (Internal)</b> | 1,6 A          |
| <b>Z</b>                  | 50 Ohm         |
| <b>Frequency</b>          | 1,2 GHz        |

### Spring Force Total (cN ±20%)

|                  | Preload | Nominal Force |
|------------------|---------|---------------|
| total            | -       | 650           |
| Internal Contact | 100     | 200           |
| Circular Contact | 250     | 450           |
| Circular Contact | 300     | 450           |

### Travel (mm)

|                  | Nominal | Maximum |
|------------------|---------|---------|
| Internal Contact | 3,0     | 3,5     |
| Circular Contact | 2,0     | 2,6     |

### Materials and Plating

|                         |                             |
|-------------------------|-----------------------------|
| Internal Contact        | Steel, longtime gold plated |
| Circular Contact        | BeCu, gold plated           |
| Barrel                  | Bronze, unplated            |
| Spring Internal Contact | unplated, Stainless steel   |
| Spring Circular Contact | Stainless steel, unplated   |
| Receptable              | Bronze, gold plated         |

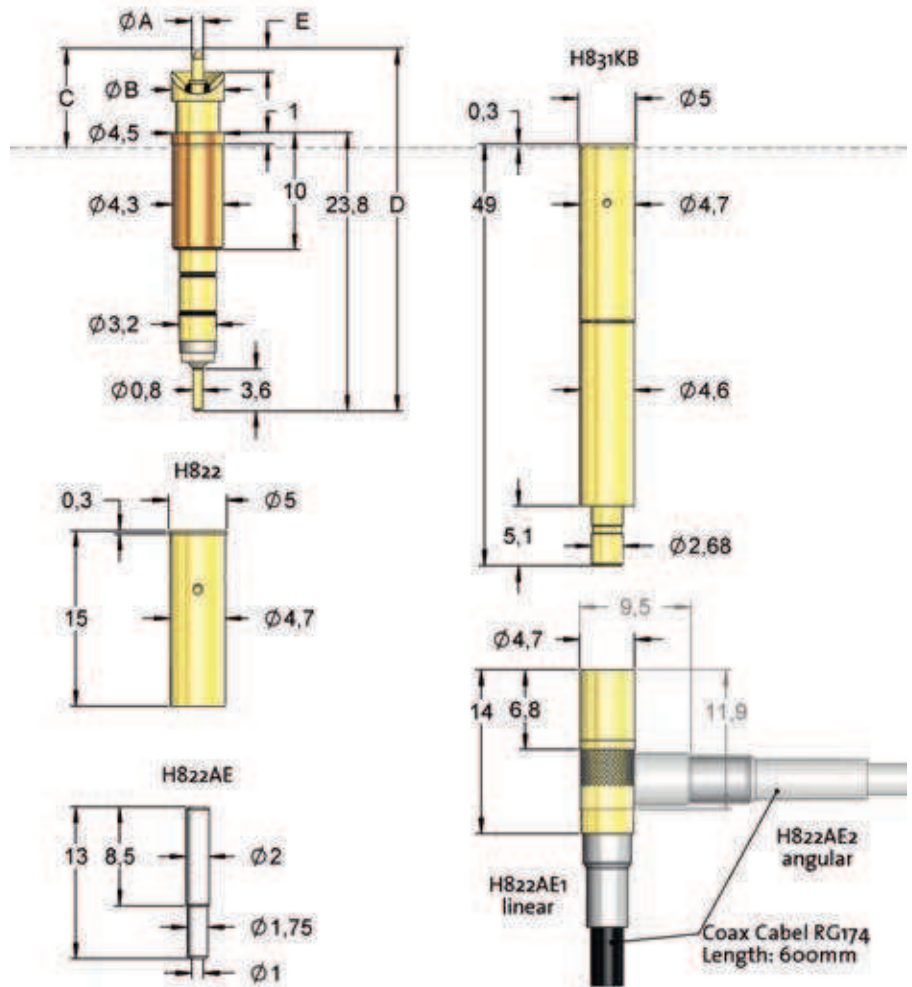
### Accessories

|                           |            |
|---------------------------|------------|
| Insertion tool receptacle | FEWZ-822E0 |
|---------------------------|------------|

### Drill Size (mm)

|                          |             |
|--------------------------|-------------|
| Receptacle without knurl | 4,68 - 4,69 |
| Receptacle with knurl    | 4,70 - 4,72 |

| Type                                                                                                                                                    | number                       | Spring Force |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--------------|
| F 822 03 S 0001 L 650                                                                                                                                   |                              |              |
| Tip Style                                                                                                                                               | Material                     | Finish       |
| Material:                                                                                                                                               | S = Steel                    |              |
| number:                                                                                                                                                 | see table                    |              |
| Finish:                                                                                                                                                 | L = Longtime Gold plated     |              |
| Receptacle:                                                                                                                                             | Order Code according drawing |              |
| At the Order Code of coaxial versions you will find a number instead of the coded tip-Ø. This number shows in the table the belonging spade dimensions. |                              |              |
| ORDER EXAMPLE                                                                                                                                           |                              |              |



| F822                | Tip Style | Number | Ø A  | Ø B  | C     | D     | E     | Version |
|---------------------|-----------|--------|------|------|-------|-------|-------|---------|
| F82202S0013L650     | 02        | 0013   | 0,80 | 4,00 | 8,30  | 30,80 | 1,80  |         |
| F82202S0016L650     | 02        | 0016   | 1,50 | 4,00 | 7,50  | 30,00 | 1,00  |         |
| F82202S0017L650S1   | 02        | 0017   | 1,50 | 4,00 | 7,50  | 30,00 | -1,80 | Sonder  |
| F82203S0010L650     | 03        | 0010   | 0,30 | 4,00 | 10,00 | 32,50 | 3,50  |         |
| F82203S0011L650     | 03        | 0011   | 0,50 | 4,00 | 8,50  | 31,00 | 2,00  |         |
| F82203S0001L650     | 03        | 0001   | 1,00 | 4,00 | 8,50  | 31,00 | 2,00  |         |
| F82203S0014L650     | 03        | 0014   | 1,00 | 4,00 | 10,00 | 32,50 | 3,50  |         |
| F82203S0003L650     | 03        | 0003   | 1,00 | 4,50 | 8,50  | 31,00 | 2,00  |         |
| F82203S0015L650     | 03        | 0015   | 1,00 | 4,50 | 10,00 | 32,50 | 3,50  |         |
| F82205S0007L650IK15 | 05        | 0007   | 0,60 | 4,00 | 9,80  | 32,30 | -1,50 | Sonder  |
| F82205S0007L650IK25 | 05        | 0007   | 0,60 | 4,00 | 10,80 | 33,30 | -2,50 | Sonder  |
| F82205S0001L650     | 05        | 0001   | 1,00 | 4,00 | 8,50  | 31,00 | 2,00  |         |
| F82205S0003L650     | 05        | 0003   | 1,00 | 4,50 | 8,50  | 31,00 | 2,00  |         |
| F82205S0005L650     | 05        | 0005   | 1,50 | 4,00 | 11,00 | 33,50 | 4,50  |         |
| F82209S0016L650     | 09        | 0016   | 1,50 | 4,00 | 7,50  | 30,00 | 1,00  |         |
| F82209S0018L650S1   | 09        | 0018   | 1,50 | 5,00 | 11,50 | 34,00 | -4,00 | Sonder  |
| F82211S0012L650     | 11        | 0012   | 0,64 | 4,50 | 10,00 | 32,50 | 3,50  |         |
| F82217S0006L650     | 17        | 0006   | 0,64 | 4,00 | 8,50  | 31,00 | 2,00  |         |
| F82217S0002L650     | 17        | 0002   | 1,50 | 4,00 | 11,00 | 33,50 | 4,50  |         |
| F82217S0016L650     | 17        | 0016   | 1,50 | 4,00 | 7,50  | 30,00 | 1,00  |         |
| F82217S0004L650     | 17        | 0004   | 1,50 | 4,50 | 11,00 | 34,00 | 4,50  |         |
| F82241S0009L650S2   | 41        | 0009   | 1,50 | 5,00 | 11,00 | 33,50 | 0,70  | Sonder  |
| F82241S0008L650S1   | 41        | 0008   | 1,50 | 5,70 | 12,80 | 35,30 | -1,80 | Sonder  |