

# Radio-frequency probe

## HFS-810 303 090 A 8040 GT13 4M

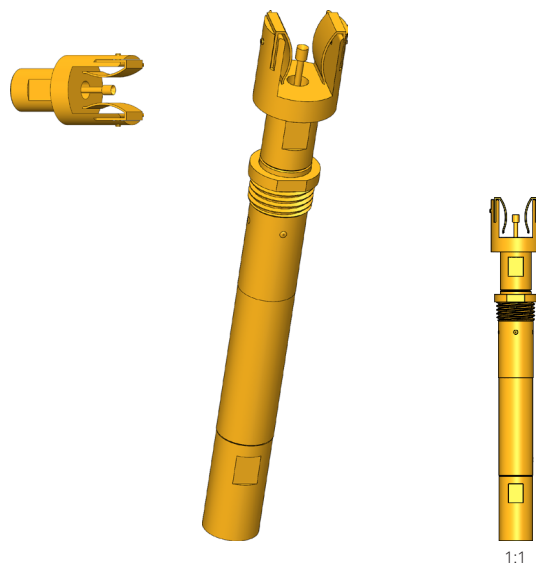
Item HFS-810-0649



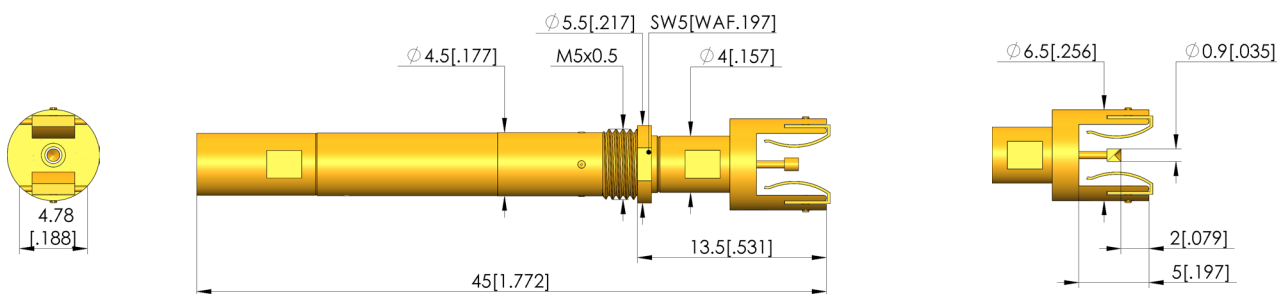
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### General data

|                                        |                                                 |
|----------------------------------------|-------------------------------------------------|
| Product group:                         | HFS radio-frequency test probes                 |
| Series:                                | HFS-810                                         |
| Sub-series:                            | HFS-810 4M screw-in with adjustable positioning |
| Grid:                                  | 7 mm [275 mil]                                  |
| DUT / contact:                         | GT13                                            |
| Installation type:                     | Screw-in                                        |
| DUT interface gender :                 | M signal conductor male / pin                   |
| Floating mount:                        | No                                              |
| Non-rotating:                          | Yes                                             |
| Continuous plunger:                    | Yes                                             |
| Interface of compatible assembly:      | MCX 50 Ohm                                      |
| Compatible assembly interface gender : | M signal conductor male / pin                   |
| KS sub-series:                         | KS-810 M, screw-in version                      |
| Min. temperature:                      | - 40 °C [- 104 °F]                              |
| Max. temperature:                      | + 80 °C [+ 176 °F]                              |
| RoHS-compliant:                        | RoHS-3;6c                                       |

### Outer conductor data

|                                                           |                             |
|-----------------------------------------------------------|-----------------------------|
| Outer conductor tip style:                                | 40 tip with traverse groove |
| Outer conductor tip style diameter:                       | 6.5 mm [.255 in]            |
| Spring force of entire outer conductor at working stroke: | 6 N [21.5 ozf]              |
| Outer conductor working stroke:                           | 4 mm [.157 in]              |
| Outer conductor maximum stroke:                           | 5 mm [.196 in]              |
| Exchangeable outer conductor:                             | KO-810140650A-GT13          |
| Outer conductor max. current load capacity:               | 3 A                         |

### Inner conductor data

|                                                         |                  |
|---------------------------------------------------------|------------------|
| Inner conductor tip style:                              | 03 inverse cone  |
| Inner conductor tip style diameter:                     | 0.9 mm [.035 in] |
| Inner conductor tip style material:                     | 3 CuBe           |
| Inner conductor tip style surface:                      | A gold           |
| Number of inner conductors:                             | 1                |
| Exchangeable inner conductor:                           | GKS-051-0065     |
| Inner conductor working stroke:                         | 2 mm [.078 in]   |
| Spring force of each inner conductor at working stroke: | 2 N [7.19 ozf]   |
| Inner conductor maximum stroke:                         | 3.7 mm [.145 in] |
| Inner conductor max. current load capacity:             | 3 A              |

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### Electrical data

Frequency range up to:

Impedance:

Dielectric strength:

2 GHz

50 Ohm

1.1 kV

### Mechanical data

Total spring force at working stroke:

Total length:

Barrel diameter:

Installation height without receptacle:

Torque in receptacle:

8 N [28.7 ozf]

45 mm [1.77 in]

4.5 mm [.177 in]

13.5 mm [.531 in]

10 - 20 cNm [.885 - 1.77 lbf·in]

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