

Radio-frequency probe

HFS-810 201 051 A 5306 S 4M

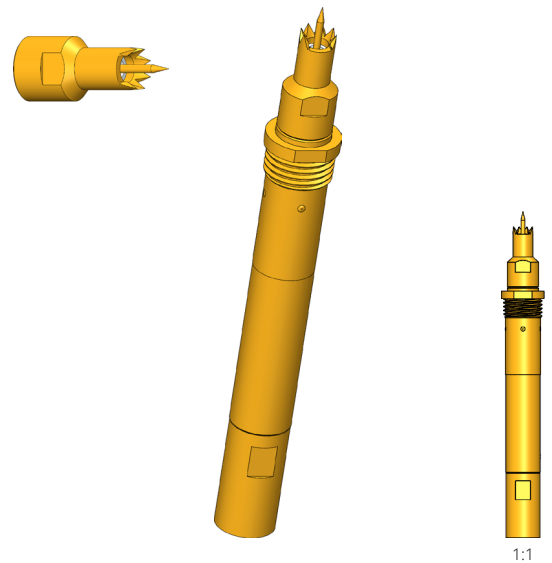
Item HFS-810-0316



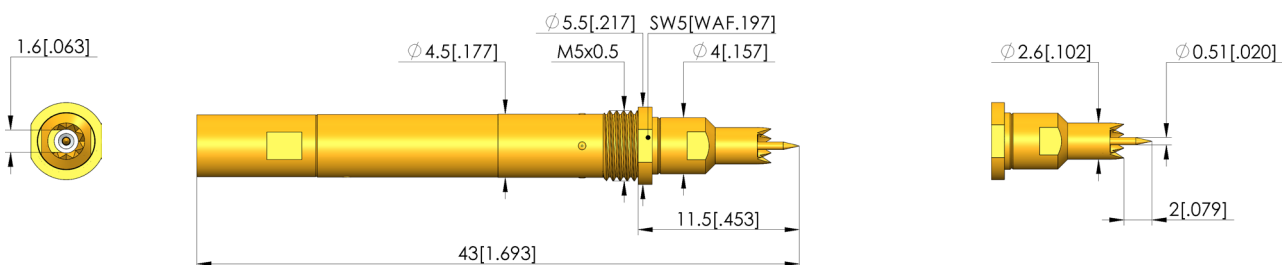
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General data

| | |
|---------------------------------------|---|
| Product group: | HFS radio-frequency test probes |
| Series: | HFS-810 |
| Sub-series: | HFS-810 4M screw-in with adjustable positioning |
| Grid: | 6.5 mm [255 mil] |
| DUT / contact: | PCB coax, open |
| Installation type: | Screw-in |
| 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;6a;6c |

Outer conductor data

| | |
|---|------------------|
| Outer conductor tip style: | 06 serrated |
| Outer conductor tip style diameter: | 2.6 mm [.102 in] |
| Spring force of entire outer conductor at working stroke: | 4 N [14.3 ozf] |
| Outer conductor working stroke: | 4 mm [.157 in] |
| Outer conductor maximum stroke: | 5 mm [.196 in] |
| Exchangeable outer conductor: | KO-810-0164 |
| Outer conductor max. current load capacity: | 10 A |

Inner conductor data

| | |
|---|----------------------------------|
| Inner conductor tip style: | 01 30° needle tip, self-cleaning |
| Inner conductor tip style diameter: | 0.51 mm [.020 in] |
| Inner conductor tip style material: | 2 steel |
| Inner conductor tip style surface: | A gold |
| Number of inner conductors: | 1 |
| Exchangeable inner conductor: | GKS-051-0001 |
| Inner conductor working stroke: | 2 mm [.078 in] |
| Spring force of each inner conductor at working stroke: | 1.3 N [4.67 ozf] |
| Inner conductor maximum stroke: | 3.7 mm [.145 in] |
| Inner conductor max. current load capacity: | 2 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:

5.3 N [19.0 ozf]

43 mm [1.69 in]

4.5 mm [.177 in]

11.5 mm [.452 in]

10 - 20 cNm [.885 - 1.77 lbf·in]

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