

# Radio-frequency probe

## HFS-840 201 051 A 9906 S

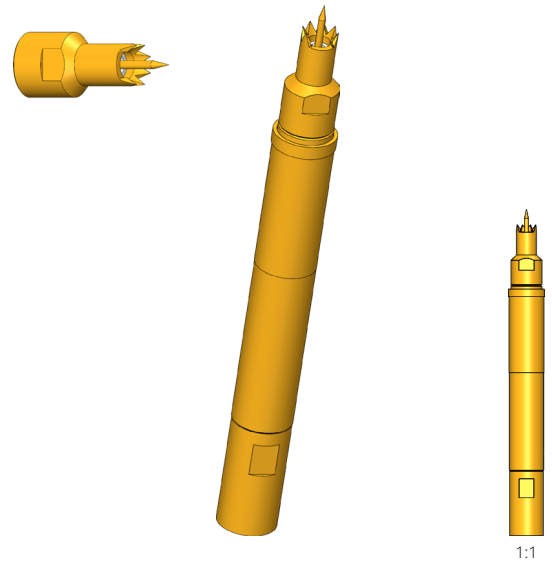
Item HFS-840-0106



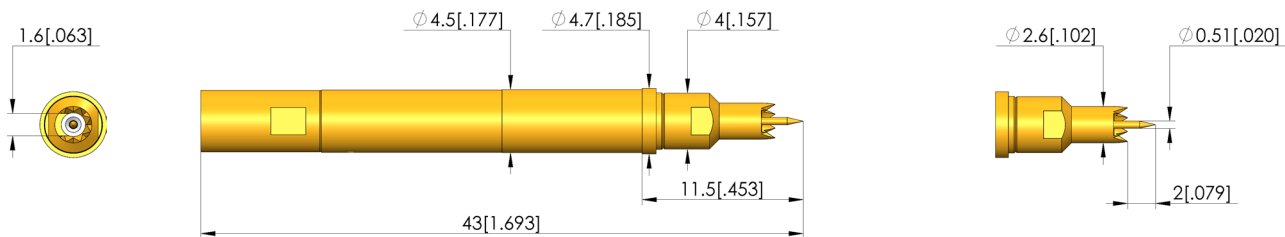
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- Long standard series
- Up to 4 GHz
- Cable interface MCX
- Plug-in version
- Receptacles: KS-810, KS-810 R, KS-810 F



1:1



### General data

|                                        |                                 |
|----------------------------------------|---------------------------------|
| Product group:                         | HFS radio-frequency test probes |
| Series:                                | HFS-840                         |
| Sub-series:                            | HFS-840                         |
| Grid:                                  | 5.8 mm [228 mil]                |
| DUT / contact:                         | PCB coax, open                  |
| Installation type:                     | Plug-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, press-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: | 8 N [28.7 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-051-0007                     |
| 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:             | 2 A                              |

# Radio-frequency probe

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Item HFS-840-0106



GO TO PRODUCT

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### Electrical data

Frequency range up to:  
Impedance:  
Dielectric strength:

4 GHz  
50 Ohm  
1.1 kV

### Mechanical data

Total spring force at working stroke:  
Total length:  
Barrel diameter:  
Installation height without receptacle:

10 N [35.9 ozf]  
43 mm [1.69 in]  
4.5 mm [.177 in]  
11.5 mm [.452 in]

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