

# Radio-frequency probe

## HFS-110 308 115 A 3006 B

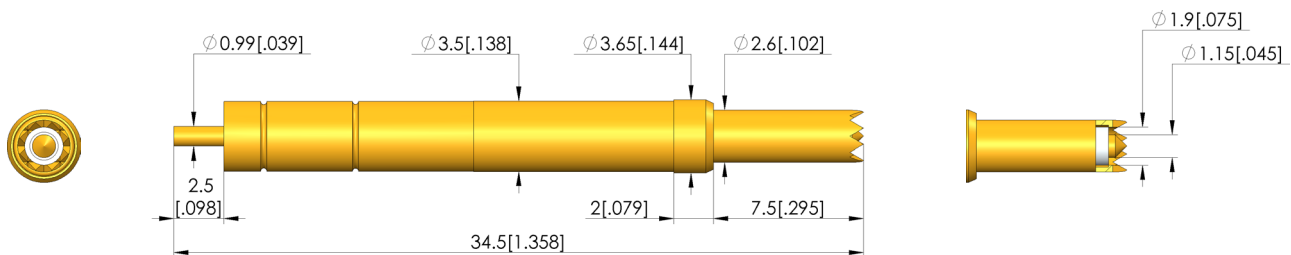
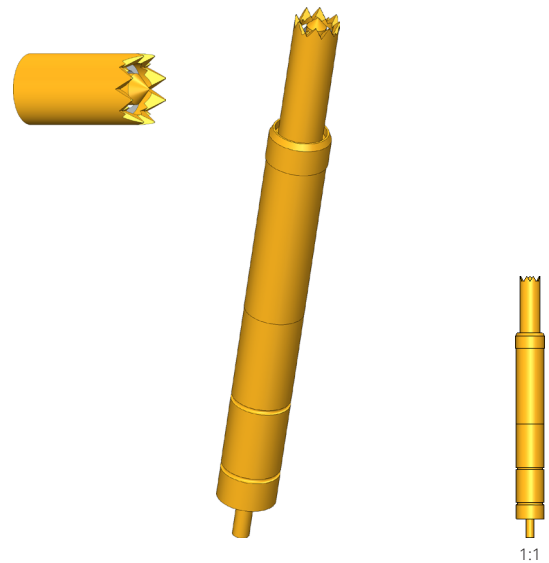
Item HFS-110-0027



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- Test probe for low frequency range or four-pole (kelvin) measurement
- For simple, price-sensitive applications
- Up to 700 mhz
- Interface to solder
- Receptacle: KS-110



### General data

|                     |                             |
|---------------------|-----------------------------|
| Product group:      | Dps dipole test probe       |
| Series:             | HFS-110                     |
| Sub-series:         | HFS-110 B solder connection |
| Grid:               | 4.5 mm [177 mil]            |
| DUT / contact:      | PCB coax, closed            |
| Installation type:  | Plug-in                     |
| Floating mount:     | No                          |
| Non-rotating:       | No                          |
| Continuous plunger: | No                          |
| KS sub-series:      | KS-110, 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:                                | 06 serrated      |
| Outer conductor tip style diameter:                       | 2.6 mm [.102 in] |
| Spring force of entire outer conductor at working stroke: | 3 N [10.7 ozf]   |
| Outer conductor working stroke:                           | 4 mm [.157 in]   |
| Outer conductor maximum stroke:                           | 5 mm [.196 in]   |
| Exchangeable outer conductor:                             | No               |
| Outer conductor max. current load capacity:               | 3 A              |

### Inner conductor data

|   |                              |
|---|------------------------------|
| Inner conductor tip style:                              | 08 90°conical, self-cleaning |
| Inner conductor tip style diameter:                     | 1.15 mm [.045 in]            |
| Inner conductor tip style material:                     | 3 CuBe                       |
| Inner conductor tip style surface:                      | A gold                       |
| Number of inner conductors:                             | 1                            |
| Exchangeable inner conductor:                           | No                           |
| Inner conductor working stroke:                         | 4 mm [.157 in]               |
| Spring force of each inner conductor at working stroke: | 1.5 N [5.39 ozf]             |
| Inner conductor maximum stroke:                         | 5 mm [.196 in]               |
| Inner conductor max. current load capacity:             | 3 A                          |

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### Electrical data

Frequency range up to:

Impedance:

Dielectric strength:

0.7 GHz

50 Ohm

1 kV

### Mechanical data

Total spring force at working stroke:

Total length:

Barrel diameter:

Installation height without receptacle:

4.5 N [16.1 ozf]

34.5 mm [1.35 in]

3.5 mm [.137 in]

9.5 mm [.374 in]

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