

# Radio-frequency probe

## HFS-110 307 100 A 3002 A

Item HFS-110-0042

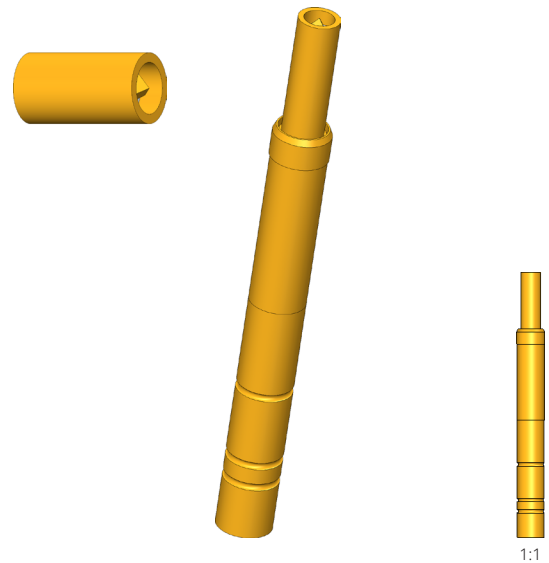


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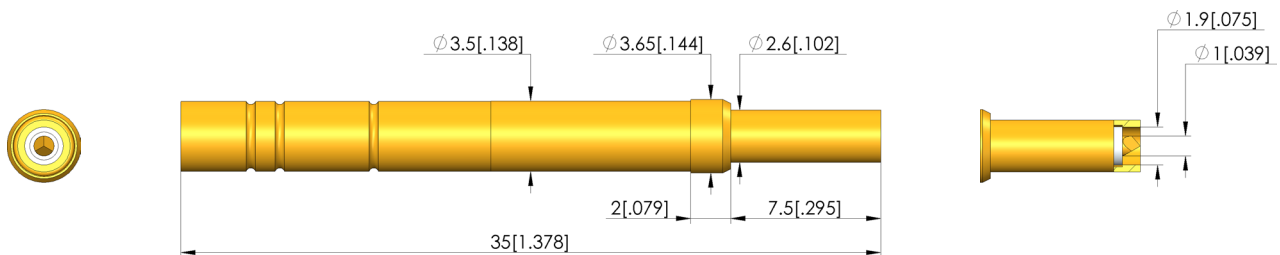
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- Test probe for low frequency range or four-pole (kelvin) measurement
- For simple, price-sensitive applications
- Up to 700 mhz
- Interface plug: SE-110
- Receptacle: KS-110



1:1



### General data

Product group:	Dps dipole test probe
Series:	HFS-110
Sub-series:	HFS-110 A connection for connector
Grid:	4.5 mm [177 mil]
DUT / contact:	PCB coax, closed
Installation type:	Plug-in
Floating mount:	No
Non-rotating:	No
Continuous plunger:	No
Interface of compatible assembly:	SE-110 cable-plug assembly for HFS-110
Compatible assembly interface gender :	M signal conductor male / pin
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:	02 flat
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:	07 90° 3-edged chisel, self-cleaning
Inner conductor tip style diameter:	1 mm [.039 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  
1.1 kV

## Mechanical data

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

4.5 N [16.1 ozf]  
35 mm [1.37 in]  
3.5 mm [.137 in]  
9.5 mm [.374 in]

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