

# Radio-frequency probe

## HFS-810 303 150 A 8043 Y M

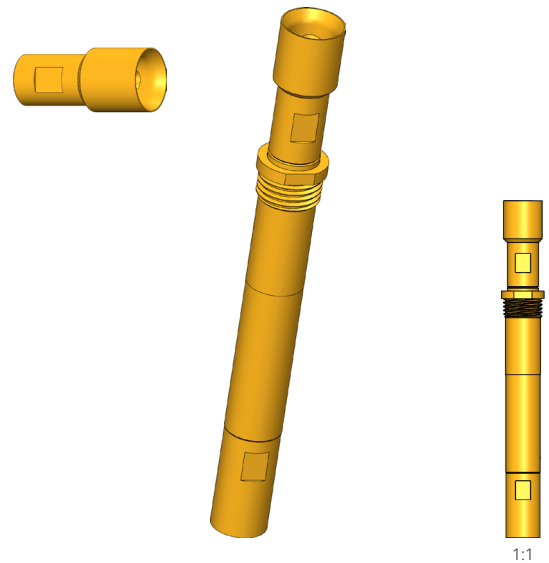
Item HFS-810-0648



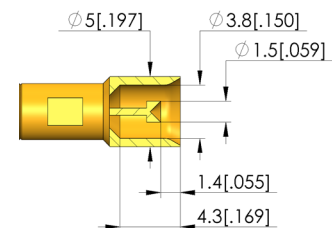
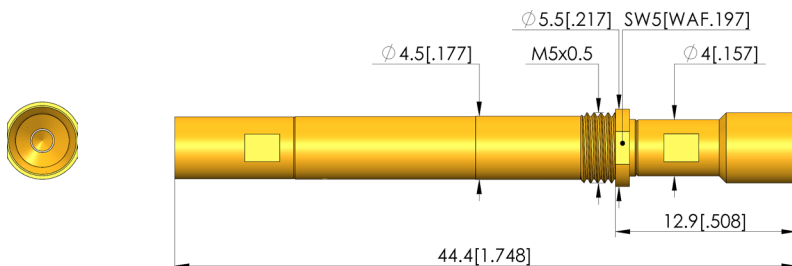
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- Long standard series
- Up to 2 GHz
- Cable interface MCX
- Screw-in version
- Receptacles: KS-810 M5-R, KS-810 M5-F



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### General data

Product group:	HFS radio-frequency test probes
Series:	HFS-810
Sub-series:	HFS-810 M screw-in
Grid:	6.5 mm [255 mil]
DUT / contact:	SMB
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:	43 centring for outer side of connector
Outer conductor tip style diameter:	5 mm [.196 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-810143500A-Y
Outer conductor max. current load capacity:	10 A

### Inner conductor data

Inner conductor tip style:	03 inverse cone
Inner conductor tip style diameter:	1.5 mm [.059 in]
Inner conductor tip style material:	3 CuBe
Inner conductor tip style surface:	A gold
Number of inner conductors:	1
Exchangeable inner conductor:	GKS-051-0010
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:

2 GHz

50 Ohm

### Mechanical data

Total spring force at working stroke:

8 N [28.7 ozf]

Total length:

44.4 mm [1.74 in]

Barrel diameter:

4.5 mm [.177 in]

Installation height without receptacle:

12.9 mm [.507 in]

Torque in receptacle:

10 - 20 cNm [.885 - 1.77 lbf·in]

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