

Radio-frequency probe

HFS-810 303 150 A 5342 FS1M

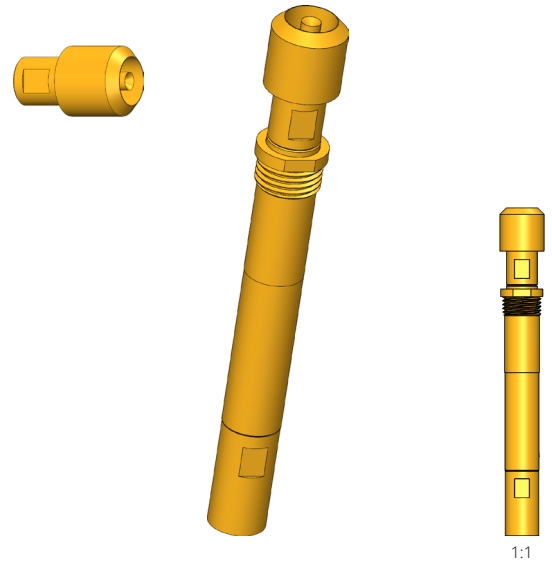
Item HFS-810-0454



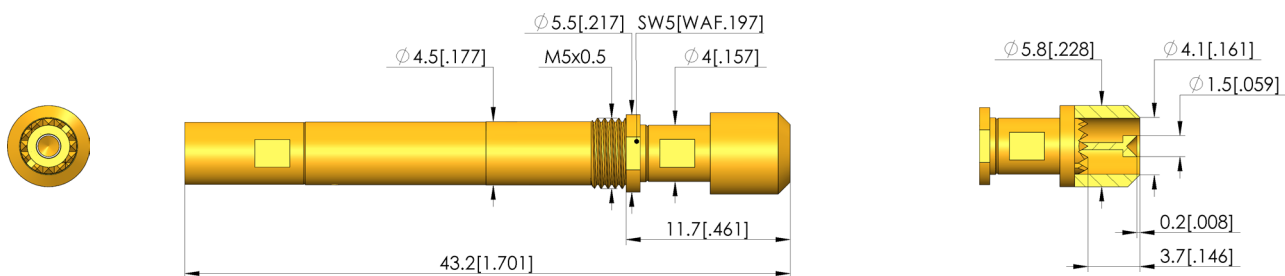
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- Long standard series
- Up to 2 GHz
- Cable interface MCX
- Screw-in version
- Receptacles: KS-810 M5-R, KS-810 M5-F



1:1



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:	FAKRA
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:	42 centring for inner side of plug connector
Outer conductor tip style diameter:	5.8 mm [.228 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-810342580A-F
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-051-0011
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:	3 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:	5.3 N [19.0 ozf]
Total length:	43.2 mm [1.70 in]
Barrel diameter:	4.5 mm [.177 in]
Installation height without receptacle:	11.7 mm [.460 in]
Torque in receptacle:	10 - 20 cNm [.885 - 1.77 lbf·in]

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