Radio-frequency probe

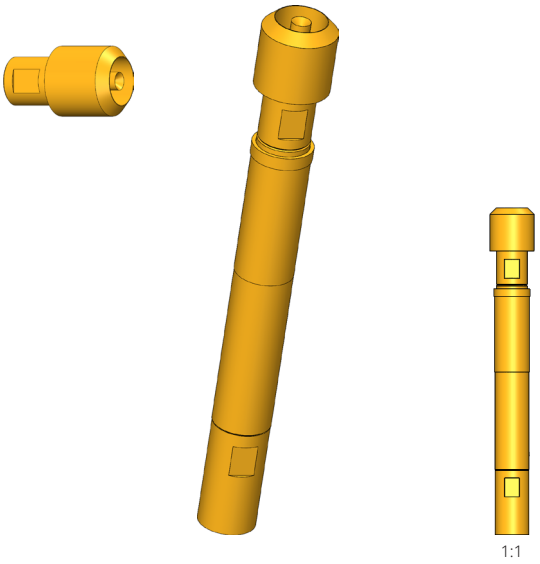
HFS-810 303 150 A 8042 FS1

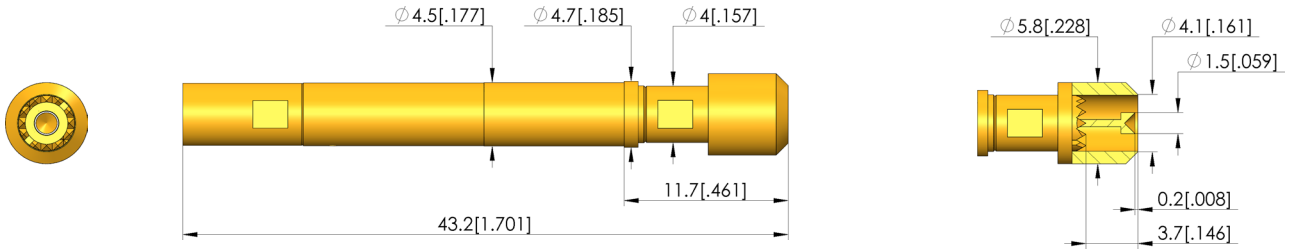
Item HFS-810-0542

GO TO PRODUCT

Partner for Future Technology

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





RADIO-FREQUENCY TEST PROBES

Radio-frequency probe

HFS-810 303 150 A 8042 FS1

Item HFS-810-0542

GO TO PRODUCT

Partner for Future Technology

General data

Product group:	HFS radio-frequency test probes
Series:	HFS-810
Sub-series:	HFS-810
Grid:	6.3 mm [248 mil]
DUT / contact:	FAKRA
Installation type:	Plug-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, press-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:	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-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-051-0010
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

Electrical data

Frequency range up to:	2 GHz
Impedance:	50 Ohm
Dielectric strength:	1.1 kV

Mechanical data

Total spring force at working stroke:	8 N [28.7 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]

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Learn more about
Radio-frequency test probes

RADIO-FREQUENCY TEST PROBES

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