Radio-frequency probe

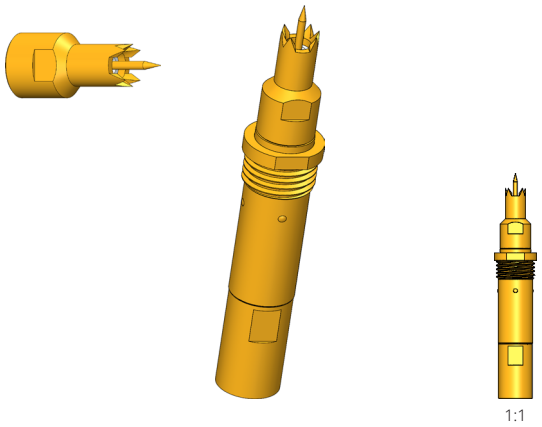
HFS-440 201 051 A 5006 P 4M

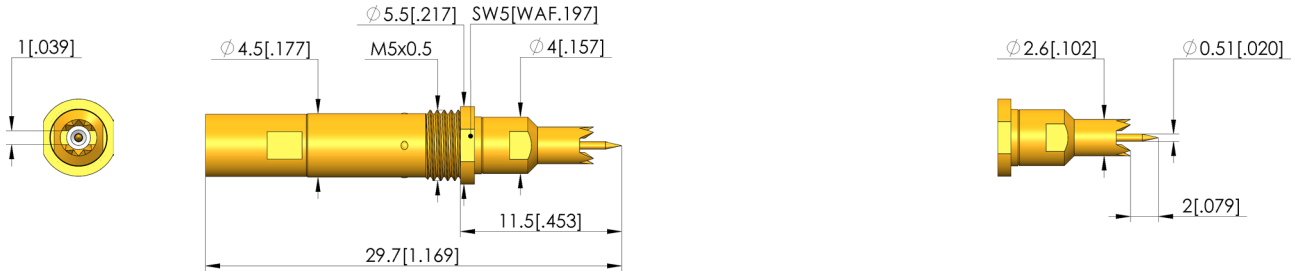
Item HFS-440-0051

GO TO PRODUCT

Partner for Future Technology

- short standard series
- Up to 4 GHz
- Cable interface MCX
- Screw-in version of asymmetrical probes, with additional crimp point to secure positioning
- Receptacles: KS-410 kM5-R, KS-410 KM5-F





General data

Product group:	HFS radio-frequency test probes
Series:	HFS-440
Sub-series:	HFS-440 4M short version, screw-in with adjustable positioning
Grid:	6.5 mm [255 mil]
DUT / contact:	PCB coax, kidney-shaped
Installation type:	Screw-in
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-410 M, screw-in version
Min. temperature:	- 40 °C [- 104 °F]
Max. temperature:	+ 80 °C [+ 176 °F]
RoHS-compliant:	RoHS-3;6a;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:	4 N [14.3 ozf]
Outer conductor working stroke:	2 mm [.078 in]
Outer conductor maximum stroke:	3 mm [.118 in]
Exchangeable outer conductor:	KO-810-0162
Outer conductor max. current load capacity:	10 A

Inner conductor data

Inner conductor tip style:	01 30° needle tip, self-cleaning
Inner conductor tip style diameter:	0.51 mm [.020 in]
Inner conductor tip style material:	2 steel
Inner conductor tip style surface:	A gold
Number of inner conductors:	1
Exchangeable inner conductor:	GKS-051-0059
Inner conductor working stroke:	2 mm [.078 in]
Spring force of each inner conductor at working stroke:	1 N [3.59 ozf]
Inner conductor maximum stroke:	3 mm [.118 in]
Inner conductor max. current load capacity:	2 A

Electrical data

Frequency range up to:	4 GHz
Impedance:	50 Ohm

Mechanical data

Total spring force at working stroke:	5 N [17.9 ozf]
Total length:	29.7 mm [1.16 in]
Barrel diameter:	4.5 mm [.177 in]
Installation height without receptacle:	11.5 mm [.452 in]
Torque in receptacle:	10 - 20 cNm [.885 - 1.77 lbf·in]

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Learn more about
Radio-frequency test probes

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