Radio-frequency probe

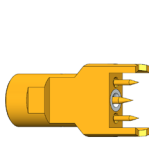
HFS-440 201 051 A 5629 V2-VZ4M

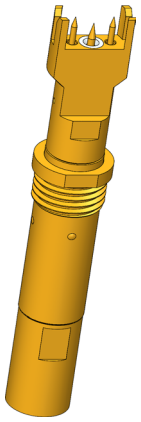
Item HFS-440-0075

GO TO PRODUCT

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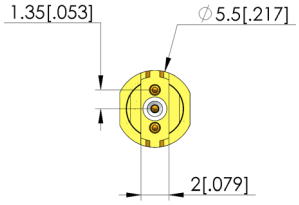
- short standard series
- Up to 4 GHz
- Cable interface MCX
- Screw-in version of asymmetrical probes, with additional crimp point to secure positioning
- Receptacles: KS-410 kM5-R, KS-410 KM5-F

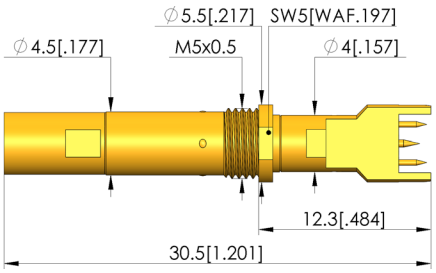


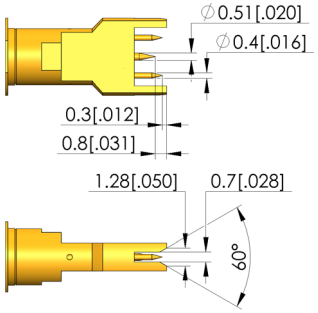




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PCB

Radio-frequency probe

HFS-440 201 051 A 5629 V2-VZ4M

Item HFS-440-0075

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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 side
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:	29 spade, flat with flat head
Outer conductor tip style diameter:	5.5 mm [.216 in]
Spring force of entire outer conductor at working stroke:	5.6 N [20.1 ozf]
Outer conductor working stroke:	3 mm [.118 in]
Outer conductor maximum stroke:	4.5 mm [.177 in]
Exchangeable outer conductor:	KO-810-0033
Outer conductor max. current load capacity:	3 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-051-0058
Inner conductor working stroke:	0 mm [0 in]
Spring force of each inner conductor at working stroke:	0 N [0 ozf]
Inner conductor maximum stroke:	0 mm [0 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:	5.6 N [20.1 ozf]
Total length:	30.5 mm [1.20 in]
Barrel diameter:	4.5 mm [.177 in]
Installation height without receptacle:	12.3 mm [.484 in]
Torque in receptacle:	10 - 20 cNm [.885 - 1.77 lbf·in]

INGUN Prüfmittelbau GmbH
Max-Stromeyer-Straße 162
78467, Constance, Germany
Phone +49 7531 8105-0
Customer hotline +49 7531 8105-888
Fax +49 7531 8105-65
info@ingun.com

Learn more about
Radio-frequency test probes

PCB

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