Radio-frequency probe

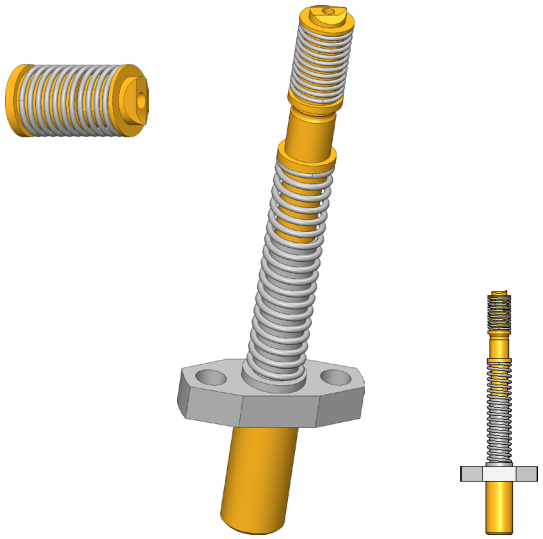
HFS-837 201 030 A 4878 F10

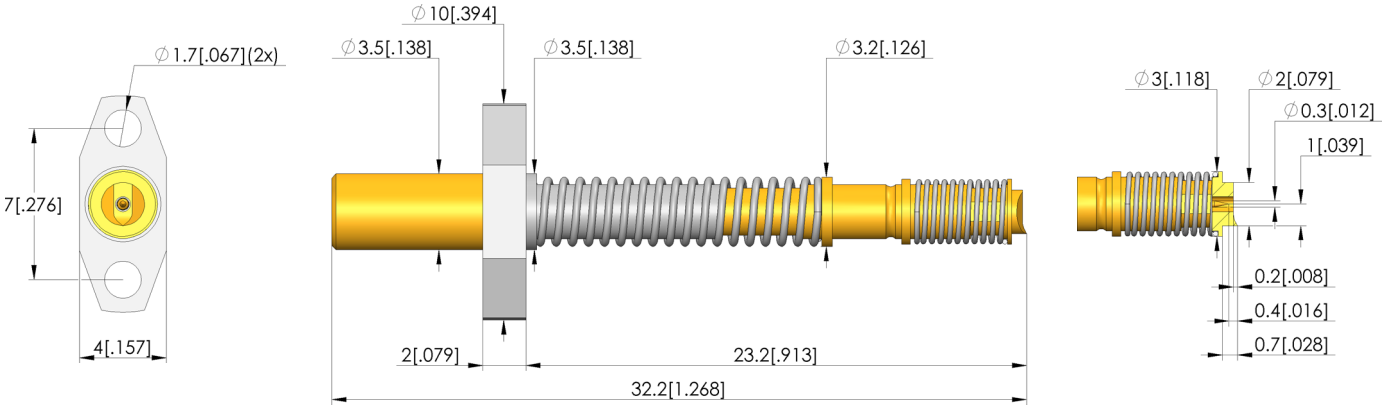
Item HFS-837-0010

GO TO PRODUCT

ingun®
Partner for Future Technology

- For contacting test pads on PCBs, micro-connectors micro-switches
- Up to 12 GHz
- Cable interface SMPM
- Installation via flange mounting





PCB

Radio-frequency probe

HFS-837 201 030 A 4878 F10

Item HFS-837-0010

GO TO PRODUCT

Partner for Future Technology

General data

Product group:	HFS radio-frequency test probes
Series:	HFS-837
Sub-series:	HFS-837
Grid:	4.5 mm [177 mil]
DUT / contact:	PCB pad SG
Installation type:	Flange
Floating mount:	No
Non-rotating:	Yes
Continuous plunger:	No
Interface of compatible assembly:	SMPM 50 Ohm
Compatible assembly interface gender :	F signal conductor female / socket
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:	78 flattened chisel, 60° cutting angle, 120° tip angle
Outer conductor tip style diameter:	3 mm [.118 in]
Spring force of entire outer conductor at working stroke:	3.8 N [13.6 ozf]
Outer conductor working stroke:	4.9 mm [.192 in]
Outer conductor maximum stroke:	5.7 mm [.224 in]
Exchangeable outer conductor:	No
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:	0.3 mm [.011 in]
Inner conductor tip style material:	2 steel
Inner conductor tip style surface:	A gold
Number of inner conductors:	1
Exchangeable inner conductor:	No
Inner conductor working stroke:	1 mm [.039 in]
Spring force of each inner conductor at working stroke:	1 N [3.59 ozf]
Inner conductor maximum stroke:	1.5 mm [.059 in]
Inner conductor max. current load capacity:	2 A

Electrical data

Frequency range up to:	12 GHz
Impedance:	50 Ohm

Mechanical data

Total spring force at working stroke:	4.8 N [17.2 ozf]
Total length:	32.2 mm [1.26 in]
Barrel diameter:	3.5 mm [.137 in]
Installation height without receptacle:	23.2 mm [.913 in]

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Learn more about
Radio-frequency test probes

Prices and delivery times on request.
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