

# Radio-frequency probe

## HFS-856 305 030 A 6343 MS180-H

Item HFS-856-0026



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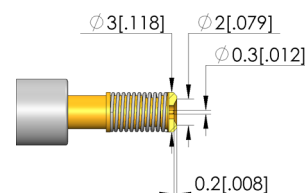
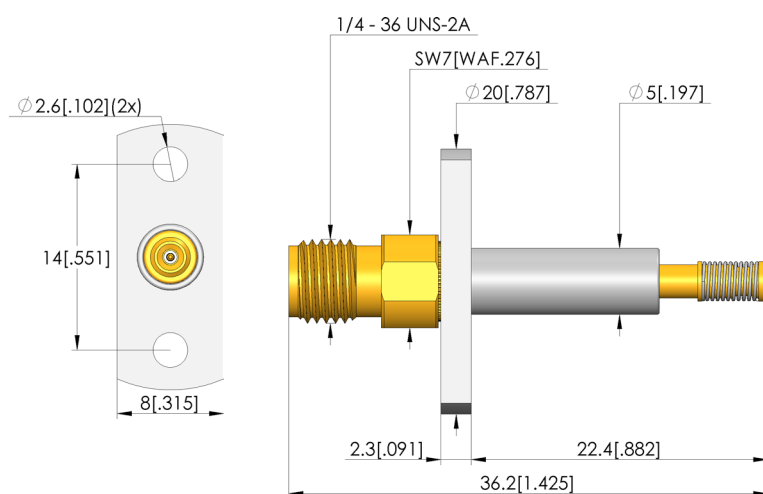
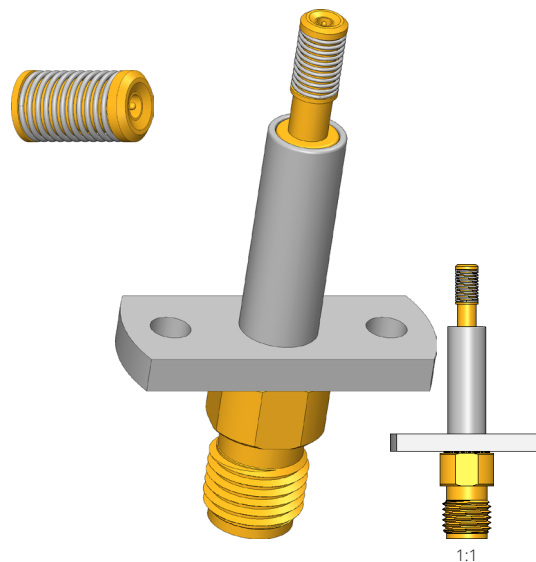
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Partner for Future Technology

- For contacting plug connectors, micro-connectors micro-switches
- Up to 12 GHz
- Cable interface SMA
- Installation via flange mounting

UTILITY  
MODEL

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### General data

Product group:	HFS radio-frequency test probes
Series:	HFS-856
Sub-series:	HFS-856
Grid:	10 mm [393 mil]
DUT / contact:	MS-180
Installation type:	Flange
Floating mount:	Yes
Non-rotating:	No
Continuous plunger:	Yes
Interface of compatible assembly:	SMA 50 Ohm
Compatible assembly interface gender:	M signal conductor male / pin
Recommended torque at interface:	45 cNm [3.98 lbf·in]
Min. temperature:	- 40 °C [- 104 °F]
Max. temperature:	+ 80 °C [+ 176 °F]
RoHS-compliant:	RoHS-3;6c

### Outer conductor data

Outer conductor tip style:	43 centring for outer side of connector
Outer conductor tip style diameter:	3 mm [.118 in]
Spring force of entire outer conductor at working stroke:	4.8 N [17.2 ozf]
Outer conductor working stroke:	4.2 mm [.165 in]
Outer conductor maximum stroke:	5.2 mm [.204 in]
Exchangeable outer conductor:	No
Outer conductor max. current load capacity:	3 A

### Inner conductor data

Inner conductor tip style:	05 bullet-nosed (full radius)
Inner conductor tip style diameter:	0.3 mm [.011 in]
Inner conductor tip style material:	3 CuBe
Inner conductor tip style surface:	A gold
Number of inner conductors:	1
Exchangeable inner conductor:	No
Inner conductor working stroke:	0.8 mm [.031 in]
Spring force of each inner conductor at working stroke:	1.5 N [5.39 ozf]
Inner conductor maximum stroke:	2 mm [.078 in]
Inner conductor max. current load capacity:	2 A

### Electrical data

Frequency range up to:	6 GHz
Impedance:	50 Ohm

### Mechanical data

Total spring force at working stroke:	6.3 N [22.6 ozf]
Total length:	36.2 mm [1.42 in]
Barrel diameter:	5 mm [.196 in]
Installation height without receptacle:	22.4 mm [.881 in]

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