

Radio-frequency probe

HFS-856 303 051 A 5543 UFL-H

Item HFS-856-0024



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Data sheet HFS-856 303 051 A 5543 UFL-H (HFS-856-0024)

Radio-frequency probe to contact n U.FL Sub-Miniature connectors

INGUN SELECTION

UTILITY
MODEL

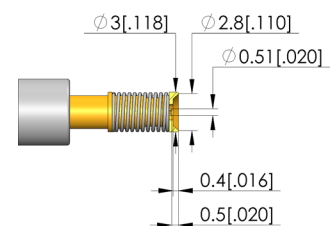
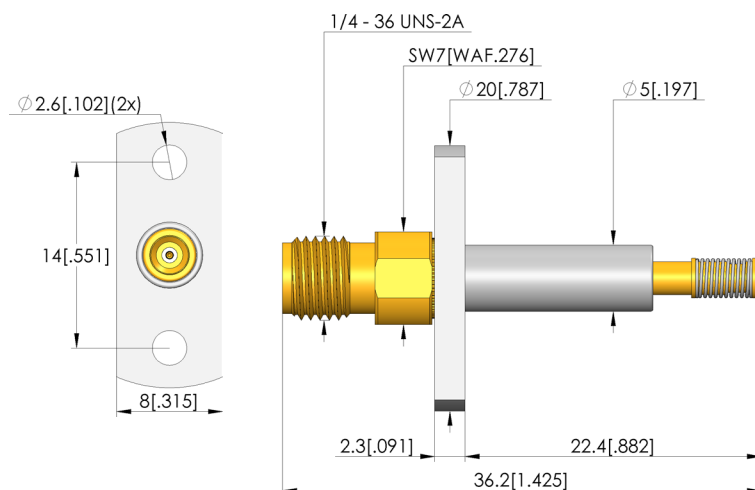
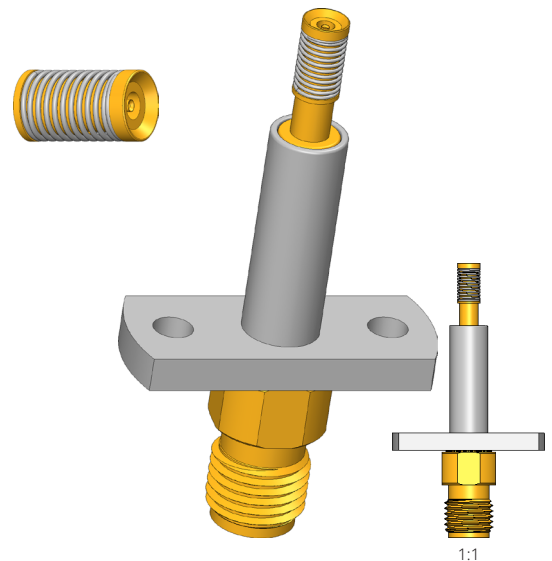
PATENT
PENDING

5G
READY

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

Function / installation

- Internationally preferred installation using a flange with threaded connection
- Interface to the test system with standardised SMA connection



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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:	U.FL, AMC, Sunridge MCB
Installation type:	Flange
DUT interface gender :	M signal conductor male / pin
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 N [14.3 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

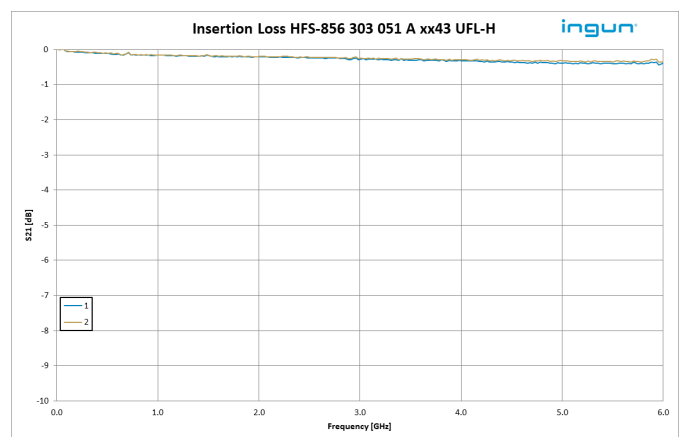
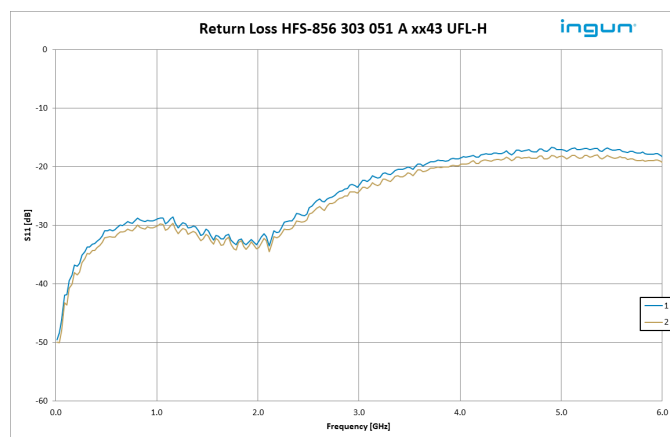
Inner conductor tip style:	03 inverse cone
Inner conductor tip style diameter:	0.51 mm [.020 in]
Inner conductor tip style material:	3 CuBe
Inner conductor tip style surface:	A gold
Number of inner conductors:	1
Exchangeable inner conductor:	No
Inner conductor working stroke:	1 mm [.039 in]
Spring force 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:	3 A

Electrical data

Frequency range up to:	6 GHz
Impedance:	50 Ohm

Mechanical data

Total spring force at working stroke:	5.5 N [19.7 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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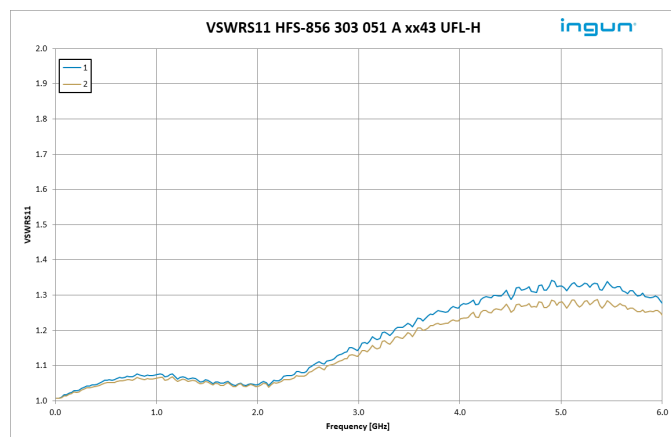
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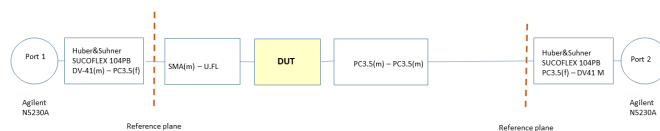
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HFS-856 303 051 A 5543 UFL-H, RF measurement setup



Hochfrequenz Eigenschaften

Frequenzbereich	Insertion Loss	Return Loss	VSWR
DC – 3 GHz	≤ -0.2 dB	≥ 23 dB	< 1.15
3 – 6 GHz	≤ 0.4 dB	≥ 18 dB	< 1.35

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Prices and delivery times on request.
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