



# Radio-frequency probe

## HFS-807 303 051 A 6842 HTE-M

Item HFS-807-0001



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Partner for Future Technology

### General data

Product group:	HFS radio-frequency test probes
Series:	HFS-807
Sub-series:	HFS-807 M screw-in
Grid:	4 mm [157 mil]
DUT / contact:	Mini Coax MATE-AX
Installation type:	Screw-in
DUT interface gender :	M signal conductor male / pin
Floating mount:	No
Non-rotating:	No
Continuous plunger:	Yes
Interface of compatible assembly:	SMPM 50 Ohm
Compatible assembly interface gender :	F signal conductor female / socket
KS sub-series:	HAS-807 floating version
Min. temperature:	- 40 °C [- 104 °F]
Max. temperature:	+ 80 °C [+ 176 °F]
RoHS-compliant:	RoHS-3;6c

### Outer conductor data

Outer conductor tip style:	42 centring for inner side of plug connector
Outer conductor tip style diameter:	3 mm [.118 in]
Spring force of entire outer conductor at working stroke:	5.8 N [20.8 ozf]
Outer conductor working stroke:	3.2 mm [.125 in]
Outer conductor maximum stroke:	4.1 mm [.161 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 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:	6.8 N [24.4 ozf]
Total length:	35.5 mm [1.39 in]
Barrel diameter:	3 mm [.118 in]
Installation height without receptacle:	20.7 mm [.814 in]
Torque in receptacle:	10 - 20 cNm [.885 - 1.77 lbf-in]

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