

# High-Frequency Probe HFS-821 302 045 A 9905 MX68

Item HFS-821-0009



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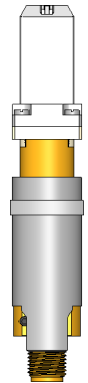
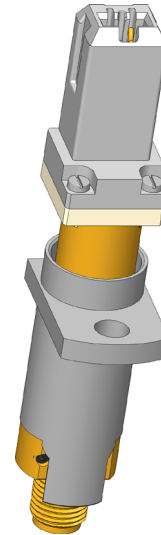
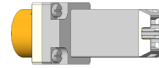
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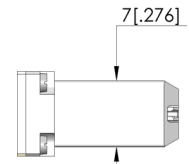
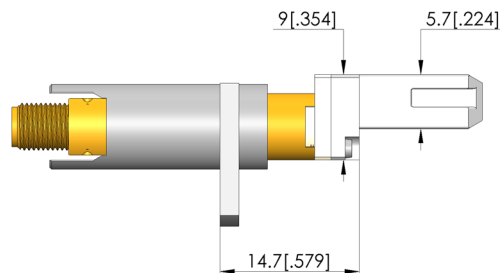
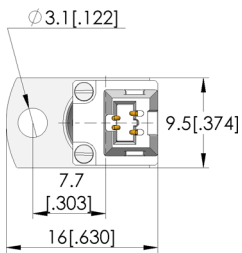
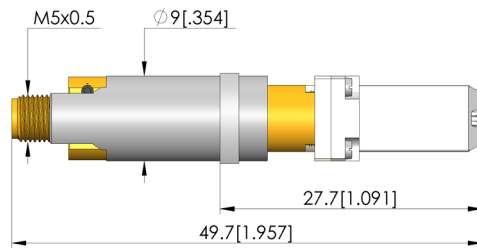
- For contacting differential connectors from the MX and USCAR series in the automotive sector
- Connection via SE-821 cable interface
- Floating mechanism is integrated
- Installation via one-sided flange mounting

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PATENT



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RADIO-FREQUENCY TEST PROBES

# High-Frequency Probe

## HFS-821 302 045 A 9905 MX68

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### General data

Product group:	HFS radio-frequency test probes
Series:	HFS-821
Sub-series:	HFS-821
Grid:	10 mm [393 mil]
DUT / contact:	MX68
Installation type:	Flange
DUT interface gender :	F signal conductor female / socket
Floating mount:	Yes
Non-rotating:	Yes
Continuous plunger:	Yes
Interface of compatible assembly: for HFS-821/MX68	SE-821 MX68 plug, 2-pole, screw-in,
Compatible assembly interface gender :	M signal conductor male / pin
Recommended torque at interface:	10 cNm [.885 lbf-in]
Min. temperature:	-40 °C [-40 °F]
Max. temperature:	80 °C [176 °F]
RoHS-compliant:	Yes

### Outer conductor data

Outer conductor tip style:	02 flat
Outer conductor tip style diameter:	0.45 mm [.017 in]
Spring force of entire outer conductor at working stroke:	10 N [35.9 ozf]
Outer conductor working stroke:	3.5 mm [.137 in]
Outer conductor maximum stroke:	5 mm [.196 in]
Exchangeable outer conductor:	No
Outer conductor max. current load capacity:	3 A

### Inner conductor data

Inner conductor tip style:	02 flat
Inner conductor tip style diameter:	0.45 mm [.017 in]
Inner conductor tip style material:	3 CuBe
Inner conductor tip style surface:	A gold
Number of inner conductors:	2 1 differential pair
Exchangeable inner conductor:	No
Inner conductor working stroke:	0 mm [0 in]
Inner conductor maximum stroke:	0 mm [0 in]
Inner conductor max. current load capacity:	3 A

### Electrical data

Impedance:	100 Ohm
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### Mechanical data

Total spring force at working stroke:	10 N [35.9 ozf]
Total length:	49.7 mm [1.95 in]
Barrel diameter:	9 mm [.354 in]
Installation height without receptacle:	27.7 mm [1.09 in]

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Prices and delivery times on request.  
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Radio-frequency test probes

