Radio-frequency probe

HFS-819 319 090 A12743RV5-H3

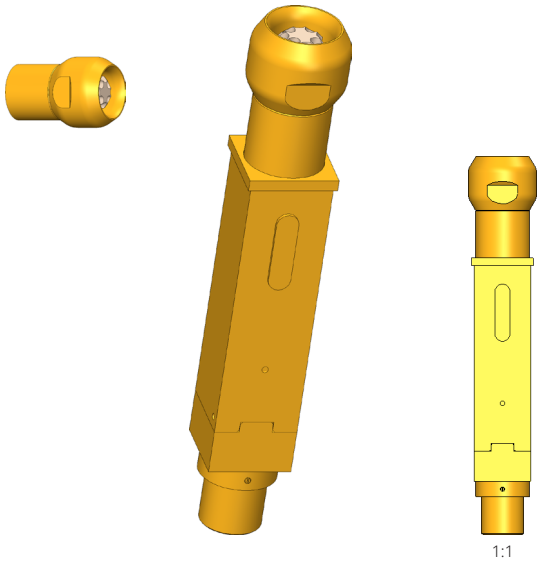
Item HFS-819-0050

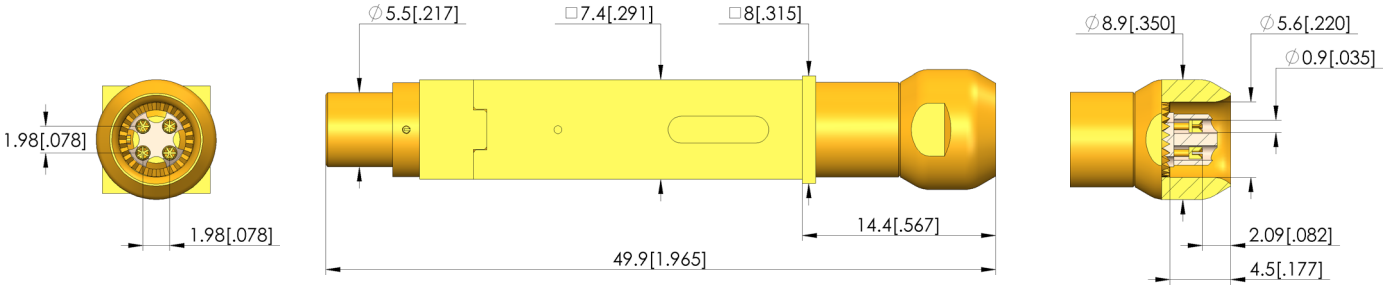
GO TO PRODUCT

ingun®
Partner for Future Technology

- For testing HSD connectors (Rosenberger)
- Used for the transmission of high-speed data for navigation and entertainment in automotive engineering.
- For high data rates, e.g. LVDS signals, GVIF or USB
- Freely movable bearing
- Installation: press directly into the mounting plate or via flange mounting
- Cable interface optionally with original HSD plug as well as INGUN plug

INGUN SELECTION





AUTOMOTIVE

Radio-frequency probe

HFS-819 319 090 A12743RV5-H3

Item HFS-819-0050

GO TO PRODUCT

Partner for Future Technology

General data

Product group:	HFS radio-frequency test probes
Series:	HFS-819
Sub-series:	HFS-819 plug, press-in
Grid:	12 mm [472 mil]
DUT / contact:	HSD
Installation type:	Plug-in
DUT interface gender :	M signal conductor male / pin
Floating mount:	No
Non-rotating:	Yes
Continuous plunger:	Yes
Interface of compatible assembly:	HSD
Compatible assembly interface gender :	F signal conductor female / socket
KS sub-series:	HAS-819 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:	43 centring for outer side of connector
Outer conductor tip style diameter:	8.9 mm [.350 in]
Spring force of entire outer conductor at working stroke:	7.5 N [26.9 ozf]
Outer conductor working stroke:	5 mm [.196 in]
Outer conductor maximum stroke:	6 mm [.236 in]
Exchangeable outer conductor:	KO-819143890R-KR-V5
Outer conductor max. current load capacity:	10 A

Inner conductor data

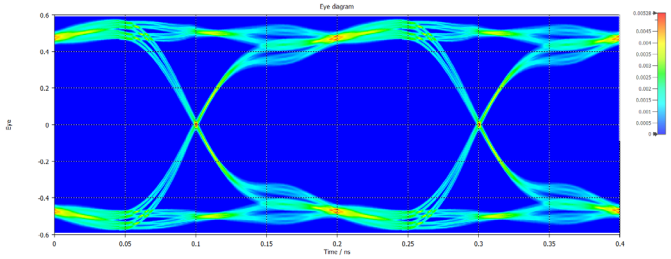
Inner conductor tip style:	19 90° inverse cone, slotted, self cleaning
Inner conductor tip style diameter:	0.9 mm [.035 in]
Inner conductor tip style material:	3 CuBe
Inner conductor tip style surface:	A gold
Number of inner conductors:	4 2 differential pair
Exchangeable inner conductor:	GKS-051-0112
Inner conductor working stroke:	2 mm [.078 in]
Spring force of each inner conductor at working stroke:	1.3 N [4.67 ozf]
Inner conductor maximum stroke:	3.7 mm [.145 in]
Inner conductor max. current load capacity:	3 A

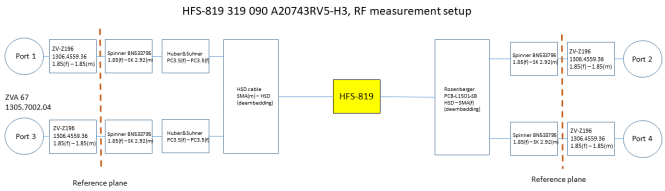
Electrical data

Impedance:	100 Ohm
Dielectric strength:	1.2 kV

Mechanical data

Total spring force at working stroke:	12.7 N [45.6 ozf]
Total length:	49.9 mm [1.96 in]
Barrel diameter:	7.4 mm [.291 in]
Installation height without receptacle:	14.4 mm [.566 in]





INGUN Prüfmittelbau GmbH
Max-Stromeyer-Straße 162
78467, Constance, Germany
Phone +49 7531 8105-0
Customer hotline +49 7531 8105-888
Fax +49 7531 8105-65
info@ingun.com

Learn more about
Radio-frequency test probes

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