Radio-frequency probe

HFS-819 355 062 A 19542 V8

Item HFS-819-0062

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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

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 :	F signal conductor female / socket
Floating mount:	No
Non-rotating:	Yes
Continuous plunger:	Yes
Interface of compatible assembly:	SE-819 V2 plug, press-in, for HFS-819
Compatible assembly interface gender :	F signal conductor female / socket
KS sub-series:	HAS-819, HAS-819D8 160 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:	5.25 mm [.206 in]
Spring force of entire outer conductor at working stroke:	15.5 N [55.7 ozf]
Outer conductor working stroke:	5 mm [.196 in]
Outer conductor maximum stroke:	6 mm [.236 in]
Exchangeable outer conductor:	KO-819142525A-V8
Outer conductor max. current load capacity:	10 A

Inner conductor data

Inner conductor tip style:	55 bullet-nosed, special length
Inner conductor tip style diameter:	0.62 mm [.024 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-051-0175
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:	3.7 mm [.145 in]
Inner conductor max. current load capacity:	3 A

Electrical data

Impedance:	100 Ohm
Max. data rate:	1.5 Gbit/s

Mechanical data

Total spring force at working stroke:	19.5 N [70.1 ozf]
Total length:	50.3 mm [1.98 in]
Barrel diameter:	7.4 mm [.291 in]
Installation height without receptacle:	15.8 mm [.622 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

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Radio-frequency test probes

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