Radio-frequency probe

HFS-807 303 051 A 6842 HTE-M

Item HFS-807-0001





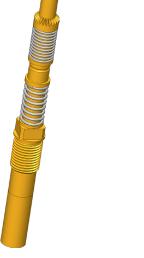
- For testing FAKRA-mini connectors e.g. HFM (Rosenberger) or Mate-AX (TE Connectivity)
- Used mainly in future technologies for the automotive market (e.g. autonomous driving)
- Radio-frequency test probes for best radio frequency performance and data transmission
- Modular design, test probe combination for single, double or quadruple housing can be used or installed in floating mount HAS-807
- Cable interface high-speed SMPM male, connection cable SMPM female





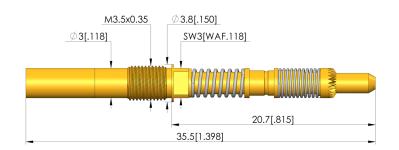


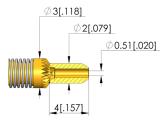












Radio-frequency probe

HFS-807 303 051 A 6842 HTE-M

Item HFS-807-0001





General data

HFS radio-frequency test probes Product group: 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:

Non-rotating: Continuous plunger: 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:

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]

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 **Test probes**

