# Radio-frequency probe

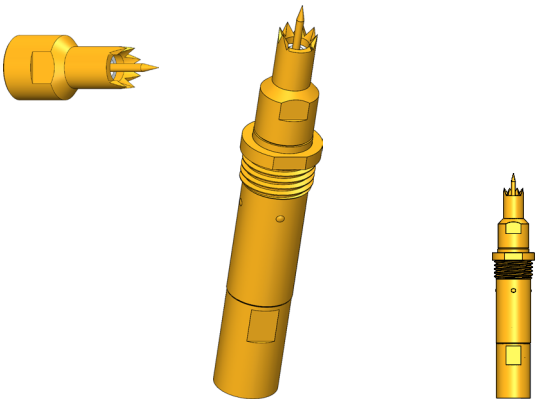
# HFS-440 201 051 A 5006 S 4M

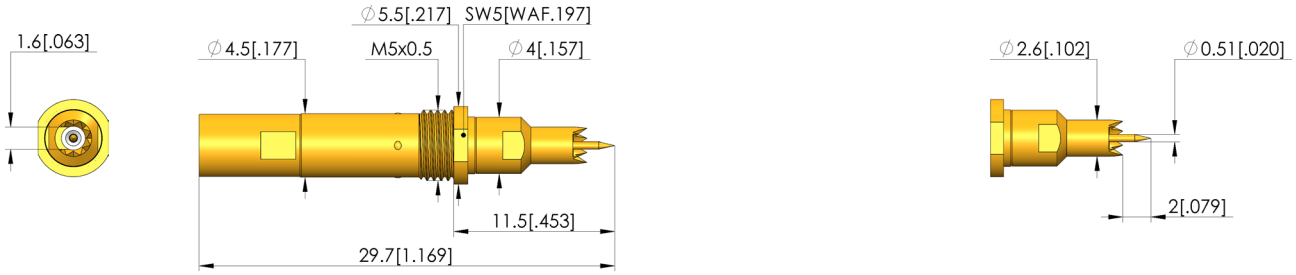
Item HFS-440-0030

GO TO PRODUCT

ingun®
Partner for Future Technology

- short standard series
- Up to 4 GHz
- Cable interface MCX
- Screw-in version of asymmetrical probes, with additional crimp point to secure positioning
- Receptacles: KS-410 kM5-R, KS-410 KM5-F




## General data

| | |
|---|---|
| Product group: | HFS radio-frequency test probes |
| Series: | HFS-440 |
| Sub-series: | HFS-440 4M short version, screw-in with adjustable positioning |
| Grid: | 6.5 mm [255 mil] |
| DUT / contact: | PCB coax, open |
| Installation type: | Screw-in |
| Floating mount: | No |
| Non-rotating: | Yes |
| Continuous plunger: | Yes |
| Interface of compatible assembly: | MCX 50 Ohm |
| Compatible assembly interface gender : | M signal conductor male / pin |
| KS sub-series: | KS-410 M, screw-in version |
| Min. temperature: | - 40 °C [- 104 °F] |
| Max. temperature: | + 80 °C [+ 176 °F] |
| RoHS-compliant: | RoHS-3;6a;6c |

## Outer conductor data

| | |
|---|---|
| Outer conductor tip style: | 06 serrated |
| Outer conductor tip style diameter: | 2.6 mm [.102 in] |
| Spring force of entire outer conductor at working stroke: | 4 N [14.3 ozf] |
| Outer conductor working stroke: | 2 mm [.078 in] |
| Outer conductor maximum stroke: | 3 mm [.118 in] |
| Exchangeable outer conductor: | KO-810-0164 |
| Outer conductor max. current load capacity: | 10 A |

## Inner conductor data

| | |
|---|---|
| Inner conductor tip style: | 01 30° needle tip, self-cleaning |
| Inner conductor tip style diameter: | 0.51 mm [.020 in] |
| Inner conductor tip style material: | 2 steel |
| Inner conductor tip style surface: | A gold |
| Number of inner conductors: | 1 |
| Exchangeable inner conductor: | GKS-051-0059 |
| Inner conductor working stroke: | 2 mm [.078 in] |
| Spring force of each inner conductor at working stroke: | 1 N [3.59 ozf] |
| Inner conductor maximum stroke: | 3 mm [.118 in] |
| Inner conductor max. current load capacity: | 2 A |

## Electrical data

| | |
|---|---|
| Frequency range up to: | 4 GHz |
| Impedance: | 50 Ohm |
| Dielectric strength: | 1.1 kV |

## Mechanical data

| | |
|---|---|
| Total spring force at working stroke: | 5 N [17.9 ozf] |
| Total length: | 29.7 mm [1.16 in] |
| Barrel diameter: | 4.5 mm [.177 in] |
| Installation height without receptacle: | 11.5 mm [.452 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
**Radio-frequency test probes**

PCB

Prices and delivery times on request.
Technical changes reserved. 02/25_GB



ingun.com