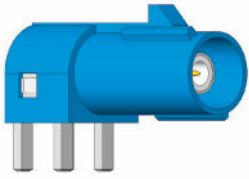


HFS-810 / HFS-840

FAKRA Contacting

Grid:
 ≥ 7,0 mm
 ≥ 276 Mil

FAKRA Plugs/Jacks see pages 41 - 44



Example: FAKRA Plug

Centering Area: ± 0,8 mm

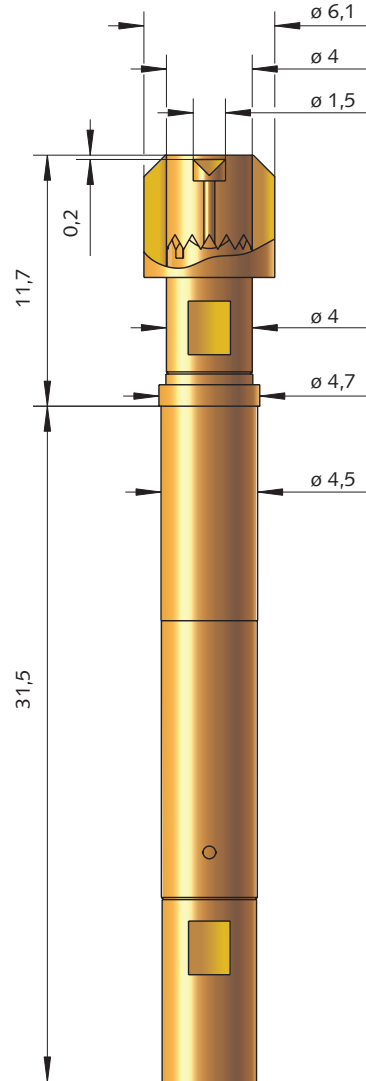
Mechanical Data

	Outer Conductor	Inner Conductor
Working Stroke:	4,0 mm	2,0 mm
Maximum Stroke:	5,0 mm	3,7 mm

Spring Force

The Spring-Loaded Inner- and Outer Conductors are available with different Spring Forces. To create the Ordering No. the individual values must be added together (see also „Ordering Example“ below).

Spring Force of Inner Conductor (N)	1,3	2,0	1,3	2,0
Spring Force of Outer Conductor (N)	4,0	4,0	8,0	8,0
Character of ordering	53	60	93	99



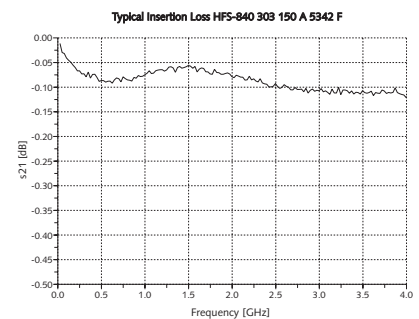
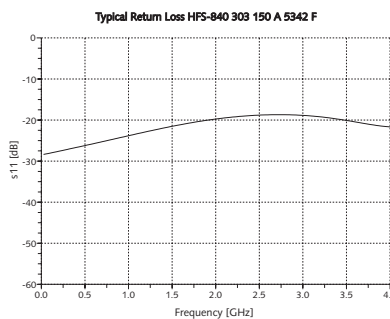
Operating Temperature: – 40 up to + 80 °C

Electrical Data

Frequency Range with HFS-810: up to 2 GHz
 Frequency Range with HFS-840: up to 4 GHz

Current Rating

Outer Conductor:	8–10 A
Inner Conductor:	2–3 A
R ₁ typical Inner Conductor:	≤ 10 m Ω
Impedance Test Probe:	50 Ω
Impedance Cable:	50 Ω



Ordering Example:

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Outer-Plunger	Type
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Test Probe for Frequency Range up to 2 GHz:

HFS	810	303	150	A	53	42	F
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Test Probe for Frequency Range up to 4 GHz:

HFS	840	303	150	A	53	42	F
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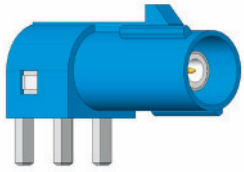
MCX-Connector with RF-Coaxial Cable RG 316 / U pre-wired, length 0,7 m (Special lengths on request):
 Receptacle:

SE-810 V-U (Grid >5,08 mm)	SE-810 V (Grid 5,08 mm)
KS - 810	

Further Information see page „Accessories“.

Grid:
 ≥ 6,5 mm
 ≥ 266 Mil

FAKRA Plugs/Jacks see pages 41 - 44



Example: FAKRA Plug

Note:

For Plug Housings with smaller inside diameter, the outer diameter of the Plunger was reduced from $\varnothing 6,1$ mm to $\varnothing 5,8$ mm.

Centering Area: $\pm 0,8$ mm

Mechanical Data

	Outer Conductor	Inner Conductor
Working Stroke:	4,0 mm	2,0 mm
Maximum Stroke:	5,0 mm	3,7 mm

Spring Force

The Spring-Loaded Inner- and Outer Conductors are available with different Spring Forces. To create the Ordering No. the individual values must be added together (see also „Ordering Example“ below).

Spring Force of Inner Conductor (N)	1,3	2,0	1,3	2,0
Spring Force of Outer Conductor (N)	4,0	4,0	8,0	8,0
Character of ordering	53	60	93	99

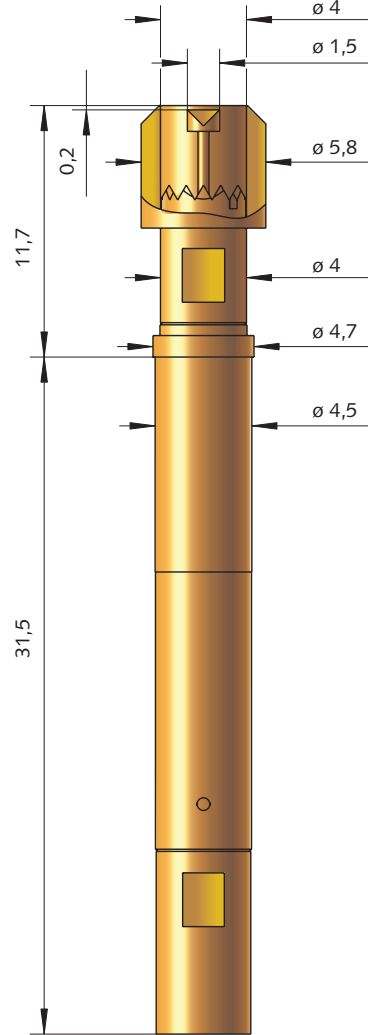
Operating Temperature: - 40 up to + 80 °C

Electrical Data

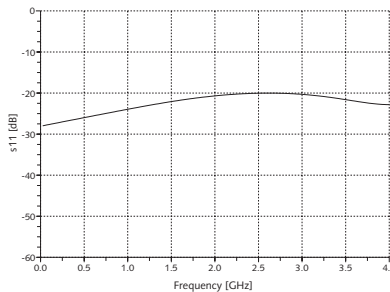
Frequency Range with HFS-810: up to 2 GHz
 Frequency Range with HFS-840: up to 4 GHz

Current Rating

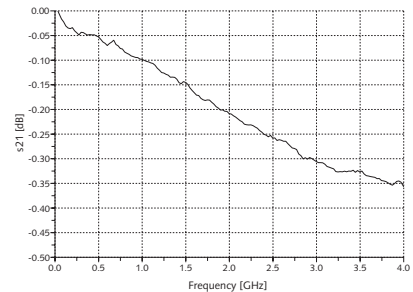
Outer Conductor: 8–10 A
 Inner Conductor: 2–3 A
 R_1 typical Inner Conductor: ≤ 10 m Ω
 Impedance Test Probe: 50 Ω
 Impedance Cable: 50 Ω



Typical Return Loss HFS-840 308 150 A 9342 FS 1



Typical Insertion Loss HFS-840 308 150 A 9342 FS 1



Ordering Example:

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Outer-Plunger	Type
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Test Probe for Frequency Range up to 2 GHz:

HFS 810 3 03 150 A 93 42 FS 1

Test Probe for Frequency Range up to 4 GHz:

HFS 840 3 03 150 A 93 42 FS 1

MCX-Connector with RF-Coaxial Cable RG 316 / U pre-wired, length 0,7 m (Special lengths on request):
 Receptacle:

SE-810 V-U (Grid >5,08 mm) SE-810 V (Grid 5,08 mm)
 KS - 810

Further Information see page „Accessories“.

All specifications are subject to change without prior notification

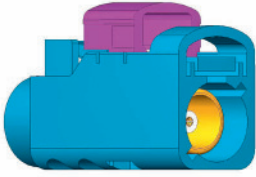
HFS-810/840
 HFS-810 M
 HFS-840 M

HFS-810 / HFS-840

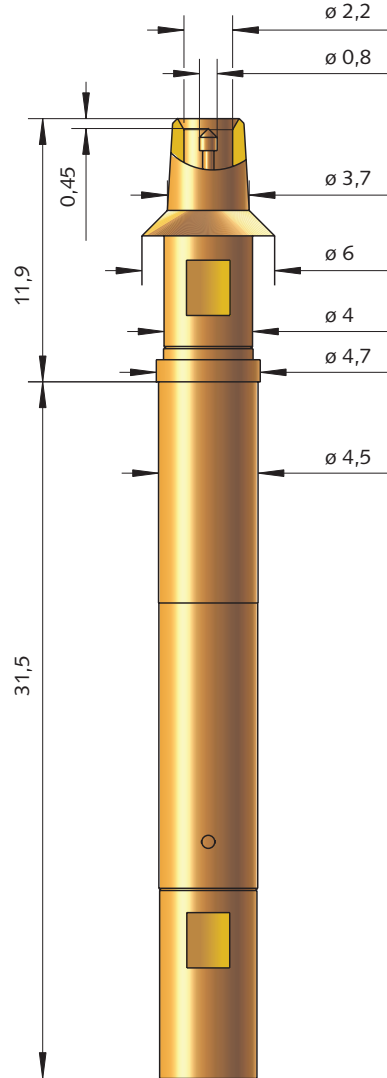
FAKRA Contacting

Grid:
 ≥ 6,5 mm
 ≥ 256 Mil

FAKRA Plugs/Jacks see pages 41 - 44



Example: FAKRA Jack



Centering Area: ± 0,2 mm

Mechanical Data

	Outer Conductor	Inner Conductor
Working Stroke:	4,0 mm	2,0 mm
Maximum Stroke:	5,0 mm	3,7 mm

Spring Force

The Spring-Loaded Inner- and Outer Conductors are available with different Spring Forces. To create the Ordering No. the individual values must be added together (see also „Ordering Example“ below).

Spring Force of Inner Conductor (N)	1,3	2,0	1,3	2,0
Spring Force of Outer Conductor (N)	4,0	4,0	8,0	8,0
Character of ordering	53	60	93	99

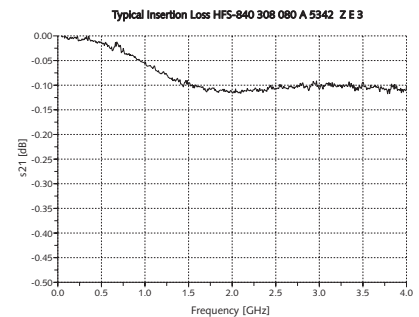
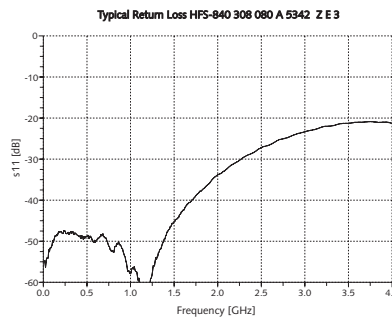
Operating Temperature: – 40 up to + 80 °C

Electrical Data

Frequency Range with HFS-810: up to 2 GHz
 Frequency Range with HFS-840: up to 4 GHz

Current Rating

Outer Conductor:	8–10 A
Inner Conductor:	2–3 A
R ₁ typical Inner Conductor:	≤ 10 m Ω
Impedance Test Probe:	50 Ω
Impedance Cable:	50 Ω



Ordering Example:

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Outer-Plunger	Type
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Test Probe for Frequency Range up to 2 GHz:

HFS 810 3 08 080 A 53 42 ZE3

Test Probe for Frequency Range up to 4 GHz:

HFS 840 3 08 080 A 53 42 ZE3

MCX-Connector with RF-Coaxial Cable RG 316 / U pre-wired, length 0,7 m (Special lengths on request):
 Receptacle:

SE-810 V-U (Grid >5,08 mm) SE-810 V (Grid 5,08 mm)
 K S - 8 1 0

Further Information see page „Accessories“.