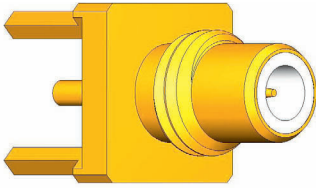


# HFS-810 / HFS-840

SMC Contacting

**Grid:**  
 ≥ 5,5 mm  
 ≥ 217 Mil

SMC Plugs/Jacks see page 26



Example: 82 SMC-50-0-1

**Note:**

Not suitable for SMB contacting, because the Inner Conductor would not make enough stroke.

**Centering Area:** ± 0,2 mm

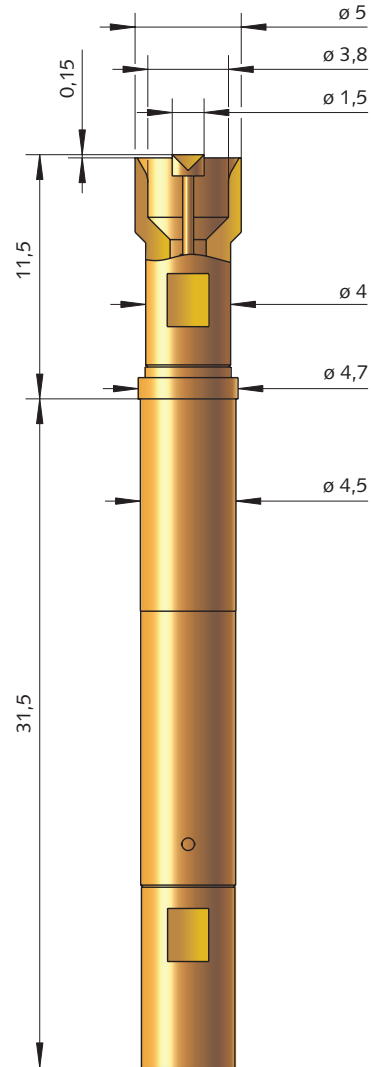
**Mechanical Data**

	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

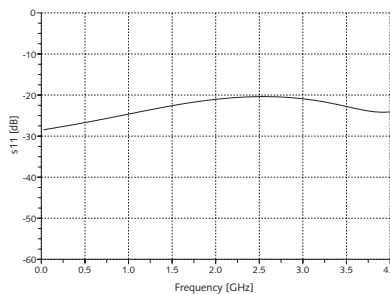
**Electrical Data**

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

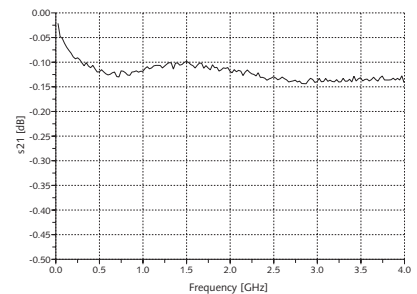
**Current Rating**

Outer Conductor: 8–10 A  
 Inner Conductor: 2–3 A  
 R<sub>i</sub> typical Inner Conductor: ≤ 10 m Ω  
 Impedance Test Probe: 50 Ω  
 Impedance Cable: 50 Ω

Typical Return Loss HFS-840 303 150 A 5343 Y 5



Typical Insertion Loss HFS-840 303 150 A 5343 Y 5



**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 53 43 Y 5

Test Probe for Frequency Range up to 4 GHz:

HFS 840 3 03 150 A 53 43 Y 5

MCX-Connector with RF-Coaxial Cable RG 316 / U

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

pre-wired, length 0,7 m (Special lengths on request):

KS - 810

Receptacle:

Further Information see page „Accessories“.