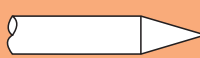

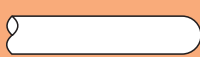







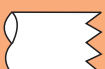



HFS 810 / 840

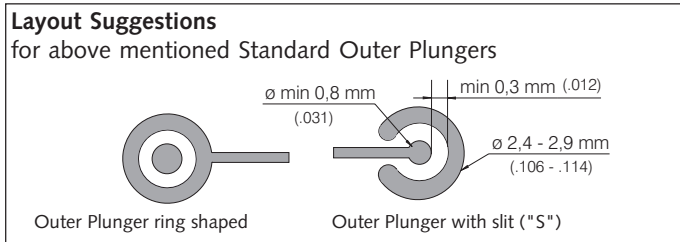
Grid:
 ≥ 5,08 mm
 ≥ 200 Mil

Coaxial RF-Test Probe, 50 Ω, 2 or 4 GHz
 Installation Height: 11,5 mm (.453)
 Recommended Stroke: 4,0 mm (.157)

Available Tip Styles for replaceable Inner Conductor				
Material	Tip Style	Standard Plating	Special Versions	
			Ø	Øinch
2	01 	A	Ø 0,51 (.020)	
3	03 	A	Ø 1,50 (.059)	
3	05 	A	Ø 0,51 (.020)	
3	08 	A	Ø 0,80 (.031)	

Inner Conductor replaceable; Ordering Example: GKS-051 201 051 A 1300

Available Tip Styles: Outer Plunger		
Outer Plunger secured against rotation		
02		
02 S		
06		
06 S		



Materials: Inner Conductor

Plunger: BeCu or Steel, gold-plated
 Barrel: Bronze, gold-plated
 Spring: Steel, gold-plated

Materials: Outer Conductor

Plunger: BeCu or Brass, gold-plated
 Barrel: Brass, gold-plated
 Spring: stainless Steel
 Insulation: Teflon
 Receptacle: Brass

Ordering Example:

Series	Tip Material 2 = Steel 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Outer-Plunger	Outer Plunger slit (S)
HFS	810	201	051	A	53	02	
HFS	810	201	051	A	60	06	
SE-810V-U (Grid >5,08mm (>200mil))				SE-810V (Grid 5,08 mm (200mil))			
K S - 8 1 0							

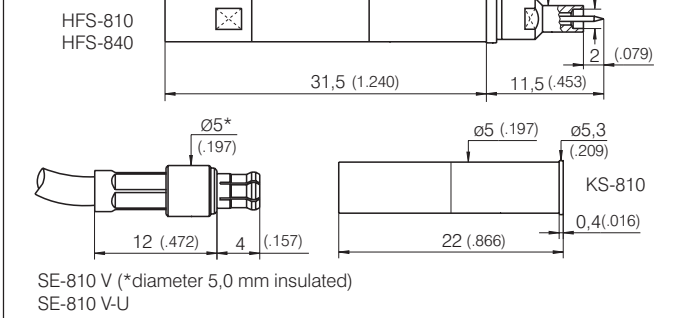
Test Probe with flat Outer Plunger:

Test Probe with serrated Outer Plunger:

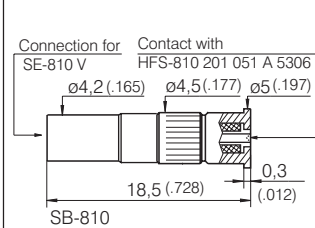
MCX-Connector with RF-Coaxial Cable RG 316 / U pre-wired, length 0,7 m (Special Lengths on request):

Receptacle:

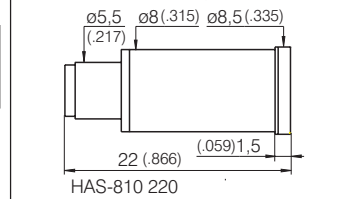
Mounting and Functional Dimensions



Interface Contact SB-810



Flexible Receptacle HAS-810 220 (absorbs side loading forces)



Mechanical Data

Working Stroke: 4,0 mm (.157)
 Maximum Stroke: 5,0 mm (.197)
 Spring Force at Work. Stroke:
 - Outer Conductor: 4,0 N (14.4oz); 8,0 N (28.8oz)
 - Inner Conductor: 1,3 N (4.7oz); 2,0 N (7.2oz)
 Operating Temperature: -40 up to +80 °C

Spring Force

The Spring-Loaded Inner- and Outer Conductors are available with different Spring Forces (see "Mechanical Data"). 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 for ordering	53	60	93	99

Electrical Data

Frequency Range with HFS-810: up to 2 GHz
 Frequency Range with HFS-840: up to 4 GHz
 Frequency Range with HFS-860: up to 6 GHz
 Current Rating

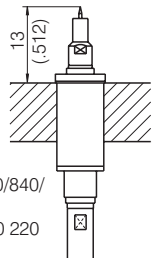
- Outer Conductor: 8-10 A
 - Inner Conductor: 2-3 A

R_i typical Inner Conductor: ≤ 10 mΩ

Impedance Test Probe: 50 Ω

Impedance - Cable: 50 Ω

HFS-810/840/
860 in
HAS-810 220



Mounting Hole Size

with Receptacle KS-810: Ø 4,98 - 4,99 mm (.1961 - .1965)
 with Recept. HAS-810 220: Ø 7,98 - 7,99 mm (.3142 - .3146)
 without Receptacle: Ø 4,5 mm (.1772)