








Coaxial Dipole Probe/RF-Test Probe  
 Installation Height: 9,5 mm (.374)  
 Recommended Stroke: 4,0 mm (.157)

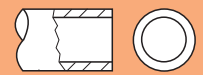

Grid:  
 ≈ 4,50 mm  
 ≈ 180 Mil

# HFS 110

## Available Tip Styles Inner Conductor

Material	Tip Style	Standard Plating	Special Versions	
			Ø	Øinch
3	01 	A	Ø 0,50 (.020)	
3	02 	A	Ø 0,50 (.020)	
3	03 	A	Ø 1,15 (.045)	
3	04 	A	Ø 1,15 (.045)	
3	05 	A	Ø 1,15 (.045)	
3	06 	A	Ø 1,15 (.045)	
3	08 	A	Ø 1,15 (.045)	

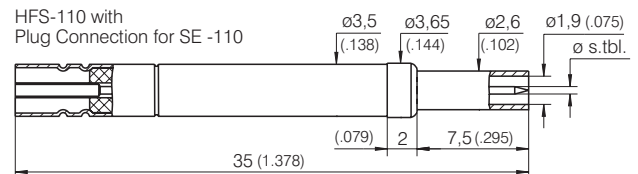
## Available Tip Styles Outer Plunger

02 
06 

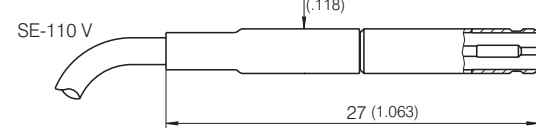
**Note:**

The Inner Conductor has a fixed connection with the Probe and therefore cannot be changed.

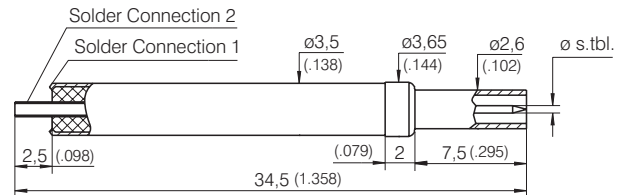
## Mounting and Functional Dimensions



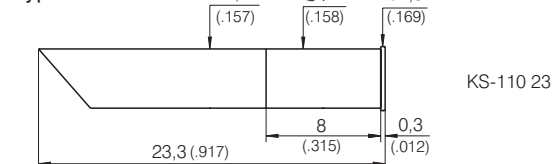
**Type A**



HFS-110 with Solder Connection



**Type B**



### Mechanical Data

Working Stroke: 4,0 mm (.157)  
 Maximum Stroke: 5,0 mm (.197)  
 Spring Force at Working Stroke  
 - Outer Conductor: 3,0 N (10.8oz)  
 - Inner Conductor: 1,5 N (5.4oz)  
 Operating Temperature: -40 up to +80 °C

### Electrical Data

Frequency Range: up to 700 MHz  
 Current Rating: 2-3 A  
 R<sub>i</sub> typical: 20 mΩ  
 Impedance Test Probe: 50-60 Ω/700 MHz  
 Impedance Cable: 50 Ω/200 MHz  
 96 pF/m

### Mounting Hole Size

with Receptacle: Ø 3,98 - 3,99 mm (.1567 - .1571)  
 without Receptacle: Ø 3,5 mm (.1378)

### Materials

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

### Ordering Example:

Series	Tip Material 3= BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN) Outer Conductor	Outer-Plunger (alternative 06)	Type (alternative B)
HFS	3	04	115	A	30	02	A
SE - 110 V							
KS - 110 23							

Test Probe:

Plug with RF-Coaxial Cable RG 178 B / U prewired,  
 Length 0,75 m (29.50) - Special Length on request:

Receptacle:

All specifications are subject to change without prior notification