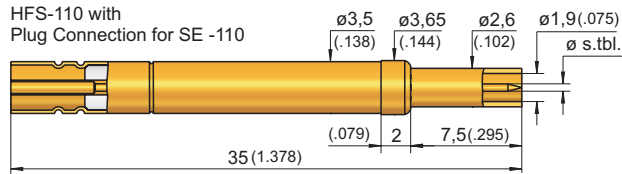


Grid:
 $\geq 4,50 \text{ mm}$
 $\geq 177 \text{ Mil}$
Installation Height: 9,5 mm (.374)
Recommended Stroke: 4,0 mm (.157)

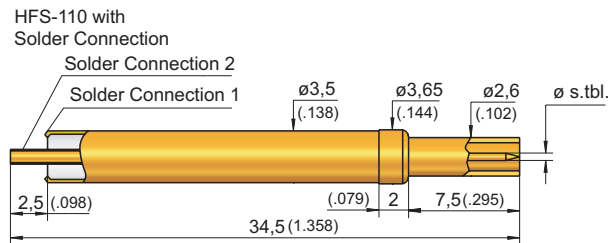
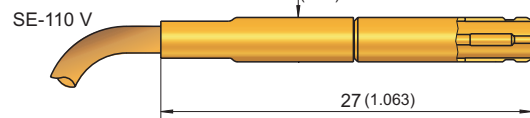
HFS 110

Coaxial Dipole Probe/RF-Test Probe, 50 Ω , 700 MHz

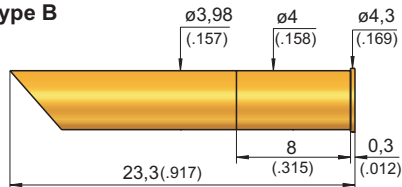
Mounting and Functional Dimensions



Type A



Type B



Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			$\varnothing$	$\varnothing$ (inch)
3	01	A	$\varnothing 0,50$ (.020)	
3	02	A	$\varnothing 0,50$ (.020)	
3	03	A	$\varnothing 1,15$ (.045)	
3	04	A	$\varnothing 1,15$ (.045)	
3	05	A	$\varnothing 1,15$ (.045)	
3	06	A	$\varnothing 1,15$ (.045)	
3	08	A	$\varnothing 1,15$ (.045)	

Available Tip Styles

Outer Plunger	
02	
06	

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)

Materials

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

Electrical Data

Frequency Range: up to 700 MHz
Current Rating: 2 - 3 A
 R_i typical: $< 20 \text{ m}\Omega$
Impedance Test Probe: 50 - 60 Ω
700 MHz
Impedance Cable: 50 Ω /200 MHz
96 pf/m

Mounting Hole Size

with Receptacle: $\varnothing 3,98 - 3,99 \text{ mm}$
(.1567 - .1571)
without Receptacle: $\varnothing 3,50 \text{ mm}$ (.1378)

Operating Temperature

Standard: -40 up to +80 $^{\circ}\text{C}$

Note:

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

Ordering Example

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 (alternativ B)
Test Probe:		H F S	1 1 0	3 0 4	1 1 5	A 3 0	0 2	A
Plug with RF-Coaxial Cable pre-wired, Length 0,75 m (Special Length on request):		S E - 1 1 0 V						
Receptacle:		K S - 1 1 0 2 3						

Cable Type: RG 178 B/U