

HFS 010

Coaxial Dipole Probe/RF-Test Probe, 50 Ω, 200 MHz

Grid:

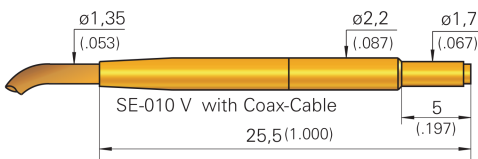
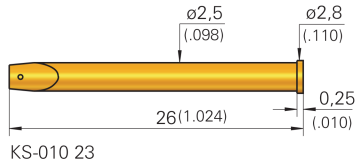
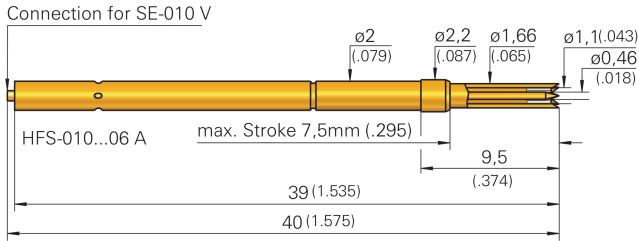
≥ 2,54 mm

≥ 100 Mil

Installation Height: 9,5 mm (.374)

Recommended Stroke: 5,5 mm (.217)

Mounting and Functional Dimensions



Available Tip Styles

Inner Conductor

Material	Tip Style	Plating	Further Versions	
			∅	∅ (inch)
3 51		A	∅ 0,50 (.020)	
3 54		A	∅ 0,50 (.020)	

Available Tip Styles

Outer Plunger

02	
06	

Mechanical Data

Working Stroke:	5,5 mm (.217)
Maximum Stroke:	7,5 mm (.295)
Spring Force at Working Stroke	
- Outer Conductor:	1,2 N (4.3oz)
- Inner Conductor:	0,8 N (2.9oz)

Materials

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

Electrical Data

Frequency Range:	up to 200 MHz
Current Rating:	3 A
R_i typical:	< 20 mΩ
Impedance Test Probe:	25 - 30 Ω
	200 MHz
Impedance Cable:	50 Ω/200 MHz
	90 pf/m

Mounting Hole Size

with Receptacle:	∅ 2,48 - 2,49 mm (.0976 - .0980)
without Receptacle:	∅ 2,00 mm (.0787)

Operating Temperature

Standard:	-40 up to +80 °C
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Note:

The Receptacle KS-010 23 can be used from Grid 3,00 mm (120 Mil) up.

Note:

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

The spring-loaded Outer Plunger of the HFS-010 is also available with a shorter assembly-length on request.

Ordering Example

Series	Tip Material 3 = BeCu	Tip Style	Tip Diameter (1/100 mm)	Plating A = Gold	Spring Force (dN)	Outer Plunger (alternative 06)	Type
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Test Probe:

H F S 0 1 0 3 5 1 0 5 0 A 2 0 0 2 A

Plug with RF-Coaxial Cable pre-wired,
Length 0,75 m (Special Length on request):

S E - 0 1 0 V

Receptacle:

K S - 0 1 0 2 3