

HFS 010

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

Grid:

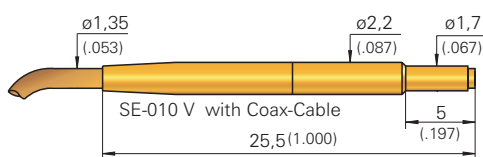
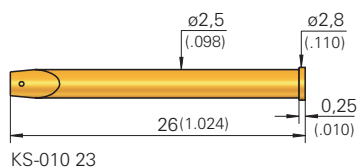
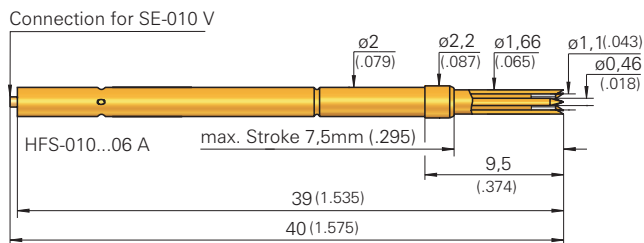
≥ 2,54 mm

≥ 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	
				Ø	Ø (inch)
3	51		Ø 0,50 (.020)	A	
3	54		Ø 0,50 (.020)	A	

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

Note:

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

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: Ø 2,48 - 2,49 mm

(.0976 - .0980)

without Receptacle: Ø 2,00 mm (.0787)

Operating Temperature

Standard: -40 up to +80 °C

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
Test Probe:	HFS	010	3	51	050	A	20	02
Plug with RF-Coaxial Cable pre-wired, Length 0,75 m (Special Length on request):	SE-010V							
Receptacle:	KS-01023							