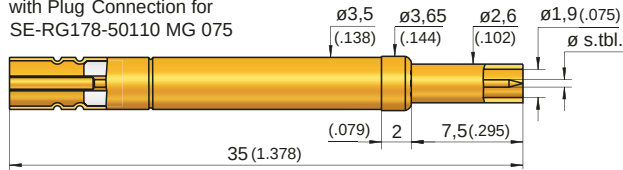


Grid:
 $\geq 4,50$ mm
 ≥ 177 Mil

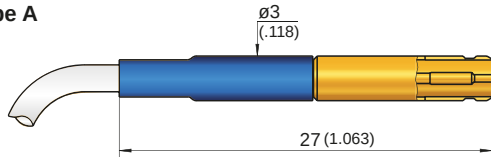
Installation height with KS: 9,8 mm (.386)
 Recommended stroke: 4,0 mm (.157)

Mounting and functional dimensions

HFS-110 ... A
 with Plug Connection for
 SE-RG178-50110 MG 075

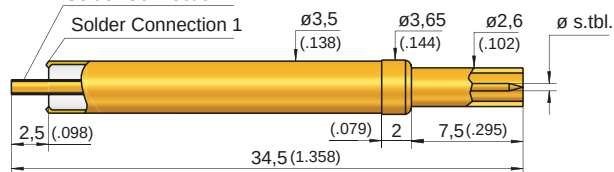


Type A

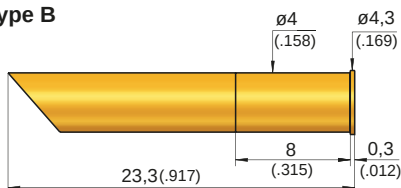


SE-RG178-50110 MG 075

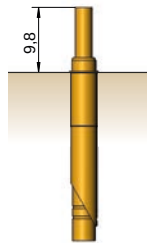
HFS-110 ... B
 with Solder Connection



Type B



KS-110 23



HFS-110 ... A
 with KS-110 23

Available tip styles inner conductor

Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
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 07		A	Ø 1,00 (.039)	
3 08		A	Ø 1,15 (.045)	

Available tip styles outer plunger

Tip style
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

Note:

The inner conductor is fixed in the probe, and therefore cannot be changed.

Electrical data

Frequency range: up to 700 MHz
 Current rating: 3 A
 R_i typical: < 20 mΩ
 Impedance test probe: 50 Ω
 Impedance cable: 50 Ω

Mounting hole size

with receptacle: Ø 3,98 - 3,99 mm (.1567 - .1571)
 without receptacle: Ø 3,50 mm (.1378)

Operating temperature

Standard: -40° up to +80 °C

Ordering example

Series	Tip material	Tip style	Tip diameter	Plating	Spring force	Outer plunger	Type
	3 = BeCu		(1/100 mm)	A = Gold	(dN) outer conductor	(alternative 06)	"A"-plug con. "B"-solder con.

Test probe:

H F S 1 1 0 3 0 4 1 1 5 A 3 0 0 2 A

Receptacle:

K S - 1 1 0 2 3

Plug for HFS-110 ... A with RF coaxial cable pre-wired, length 0,75 m (custom length on request):

S E - R G 1 7 8 - 5 0 1 1 0 M G 0 7 5