

GKS 102

Universal Test Probe for Direct Wiring

Grid:

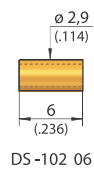
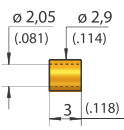
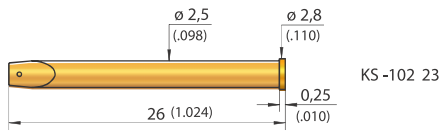
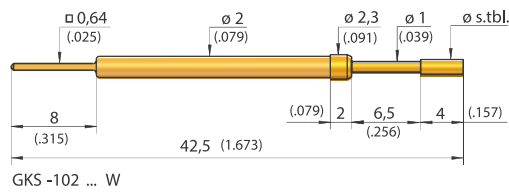
≥ 2,54 mm

≥ 100 Mil

Installation height with KS: 12,7 resp. 13,7 mm (.500/ .531)

Recommended stroke: 4,8 mm (.189)

Mounting and functional dimensions



Available tip styles

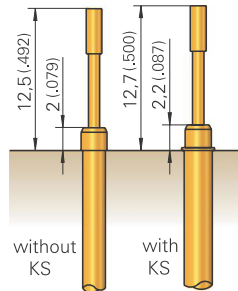
Material	Tip style	Plating	Further versions	
			∅	∅ (inch)
2	01	A	∅ 1,00 (.039)	
1	02	A	∅ 1,40 (.055)	2,30 (.091)
1	03	A	∅ 1,40 (.055)	
2	04	A	∅ 1,40 (.055)	
3	05	A	∅ 1,40 (.055)	
3	06	A	∅ 1,40 (.055)	
2	50*	P	∅ 4,00 (.157)	

* PCB support probe: insulating tip made of PVC installation height 13,5 mm (.531), Total length 43,5 mm

Collar height and installation height

The installation height of the tip (dimension without receptacle) is defined by the collar height.

Collar height	Installation height without receptacle
02 Tip style 01 to 06	12,5 mm (.492)
02 Tip style 50*	13,5 mm (.531)



Mechanical data

Working stroke: 4,8 mm (.189)
Maximum stroke: 6,5 mm (.256)
Spring force at work. stroke: 1,5 N (5.4oz)
Alternative: 3,0 N (10.8oz); 5,0 N (18.1oz)

Materials

Plunger: Brass or steel, gold-plated
Barrel: Brass, gold-plated
Spring: Steel, gold-plated
Receptacle: Brass, gold-plated

Note:

The receptacle can be used from grid size 3,50 mm (140 Mil) upwards.

Electrical data

Current rating: 5 - 8 A
R_i typical: < 20 mΩ

Mounting hole size

with receptacle: ∅ 2,48 - 2,49 mm (.0976 - .0980)

Operating temperature

Standard: -40° up to +80° C

without receptacle:

in CEM1: ∅ 1,98 - 2,00 mm (.0780 - .0787)
in FR4: ∅ 1,99 - 2,01 mm (.0783 - .0791)

Ordering example

Series	Tip material	Tip style	Tip diameter (1/100 mm)	Plating	Spring force (dN)	Collar height (mm)	Type
	1 = Brass 2 = Steel 3 = BeCu			A = Gold P = PVC			

Test probe:

G K S 1 0 2 1 0 2 1 4 0 A 1 5 0 2 W

Receptacle:

K S - 1 0 2 2 3

Spacers:

D S - 1 0 2 0 3 D S - 1 0 2 0 6