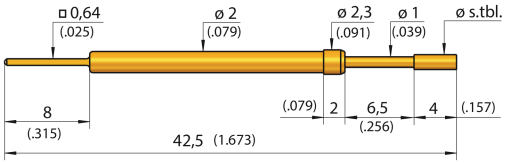
GKS 102

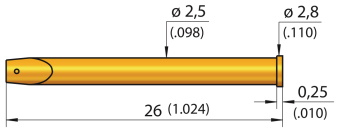
Universal Test Probe for Direct Wiring

Grid:
≥ 2,54 mm
≥ 100 Mil
Installation height with KS: 12,7 resp. 13,7 mm (.500/ .539)
Recommended stroke: 4,8 mm (.189)

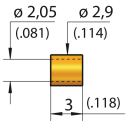
Mounting and functional dimensions



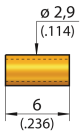
GKS -102 ... W



KS -102 23



DS -102 03



DS -102 06

Available tip styles

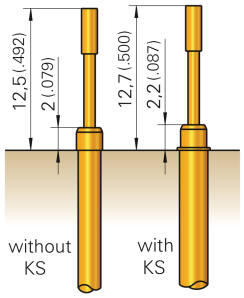
Material		Tip style	Plating	Further versions ∅	Further versions ∅ (inch)
2	01	∅ 1,00 (.039)	A		
1	02	∅ 1,40 (.055)	A	2,30	(.091)
1	03	∅ 1,40 (.055)	A		
2	04	∅ 1,40 (.055)	A		
3	05	∅ 1,40 (.055)	A		
3	06	∅ 1,40 (.055)	A		
2	50*	∅ 4,00 (.157)	P		

* 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

Operating temperature

Standard: -40° up to +80° C

Mounting hole size

with receptacle: ∅ 2,48 - 2,49 mm (.0976 - .0980)
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 1 = Brass 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold P = PVC	Spring force (dN)	Collar height (mm)	Type
Test probe:	GKS	102	1	02	140	A	15	02	W
Receptacle:	KS-102 23							
Spacers:	DS-102 03	DS-102 06						