

HSS-003

PRODUCT INFORMATION High Current Test Probes

Grid:
 ≥ 3.18 mm
 ≥ 125 Mil
Installation height with KS: 16.0 mm

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High current probe up to 27 A (international standard)

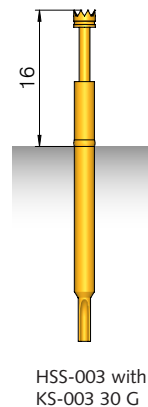
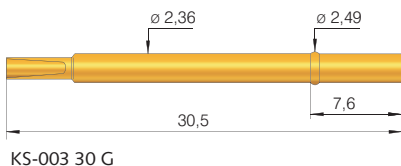
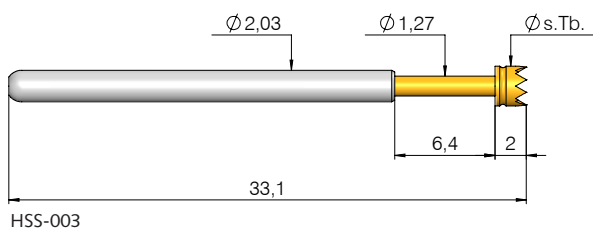
Features

- International standard high current probe (HSS) for grid size 125 Mil
- Current load capacity up to 27 A
- Compatible with the GKS-003 series
- Low internal resistance ≤ 10 mΩ for precise measurements

Function / Assembly

- The probes are mounted in and connected with the KS-003 30 G receptacle with solder cup

Mounting and functional dimensions



Available tip styles

Material	Tip style	Plating	Further versions	
			Ø	Ø (inch)
3 05		S	Ø 2,54	
3 06		A	Ø 2,54	
3 17		A	Ø 2,54	
3 19		A	Ø 2,54	

Mechanical data

Working stroke: 4.4 mm
Maximum stroke: 6.4 mm
Spring force at working stroke: 3.0 N
Alternative: 2.0 N

Materials

Plunger: BeCu, gold-plated
Barrel: Bronze, silver-plated
Spring: Stainless steel, gold-plated
Receptacle: Nickel-silver, gold-plated

Mounting and Tools

Tool: SW-GKS

Electrical data

Current rating: 27 A
R_i typical: ≤ 10 mΩ

Mounting hole size

With collar or press-ring as a collar-stop
in CEM1 and FR4: Ø 2.33 - 2.34 mm

Operating temperature

Standard: -80° up to +200° C

When pressing the press-ring into the mounting hole

in CEM1 und FR4: Ø 2.39 - 2.44 mm

Ordering example

	Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Collar height (mm)
Test probe:	HSS	003	306	254	A	30	00
Receptacles with press-ring:	KS-00330G						