

HSS 118 M

Screw-in High-Current Test Probe

Grid:

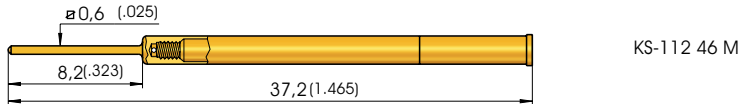
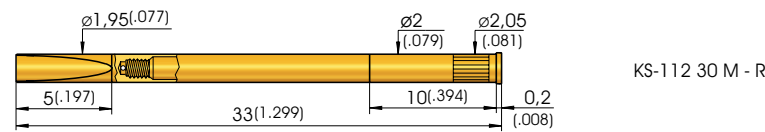
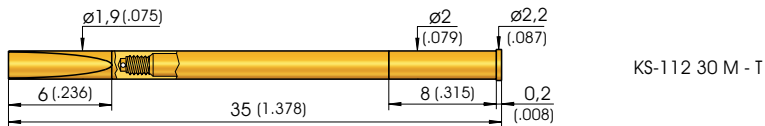
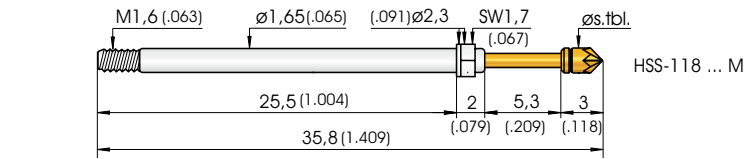
≥ 2,54 mm

≥ 100 Mil

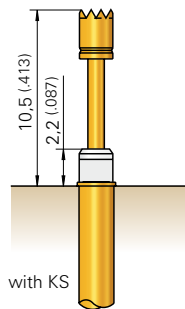
Installation Height: 10,5 mm (.413)

Recommended Stroke: 4,0 / 6,4 mm (.157 / .252)

Mounting and Functional Dimensions



**** axially positioned trough-hole for leakage test. Attention: when not assembled correctly, then solder can flow inside the receptacle.



Collar Height and Installation Height

The Installation Height of the Tip is always 10,5 mm (.413). Test Probe can only be used with Receptacle.

Mechanical Data

Working Stroke: 4,0 mm (.157)

Maximum Stroke: 5,3 mm (.209)

For Tip Diameter < 1,0 mm:

Maximum Stroke: 8,0 mm (.315)

Spring Force at Work. Stroke: 1,5 N (5.4oz)

alternative: 0,8 N (2.9oz)*; 2,25 N (8.1oz)

Electrical Data

Current Rating: max. 16 A, with Spring Force ≥ 1,5 N, and Plunger made of BeCu

R_i typical: ≤ 10 mΩ

* Spring force < 1,5 N are not recommended for high-current applications

Materials

Plunger: Steel or BeCu, gold-plated

Barrel: Brass, silver-plated

Spring: Stainless Steel

Receptacle: Brass, gold-plated

Mounting Hole Size

for KS-112 xx M in CEM 1 and FR 4: ø 1,99 mm (.0783)

for KS-112 xx M - R in CEM 1 and FR 4: ø 2,00 - 2,02 mm (.0787 - .0795)

Operating Temperature

Standard: -100° - +200°C

Available Tip Styles

Material	Tip Style	Plating	Further Versions	
			ø	ø (inch)
3 02		A		
3 03		A		
3 05		A	0,65	(.026)
3 05		A		
3 05**		S		
3 06		A	1,30 1,60 1,80 2,50 3,50	(.051) (.063) (.070) (.098) (.138)
2 14		A		
3 17		A	2,00	(.079)
3 19		A		
3 53***		S		

** pressed-in Silver stud
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Tip Length 3,5 mm (.138),
Installation Height plus 0,5 mm (.020)

NEW

Ordering Example

Series	Tip Material	Tip Style	Tip Diameter (1/100 mm)	Plating	Spring Force (dN)	Collar Height (mm)	Special Designation „M“
	2 = Steel 3 = BeCu			A = Gold S = Silver			

Test Probe:

H S S 1 1 8 3 1 7 1 7 5 A 1 5 0 2 M

Recaptacle for HSS-118 ... M:

K S - 1 1 2 3 0 M / M-R / M-T K S - 1 1 2 4 6 M

Recaptacle for Leakage Test ****:

K S - 1 1 2 3 0 M