DPS-445

PRODUCT INFORMATION
Dipole test probes

Grid:
≥ 5,5 mm
≥ 220 Mil
Installation height with KS: 8,5 mm
Recommended stroke: 3,0 mm

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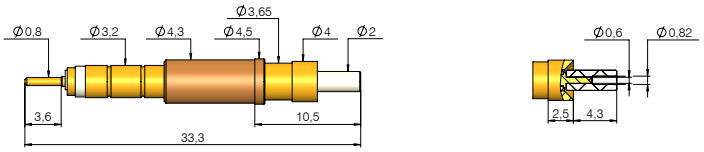
DETERMINE RESISTANCE DIRECTLY ON THE CONTACT SURFACE (KELVIN MEASUREMENT)

Application / Features
- The dipole test probes developed by INGUN are highly suitable for performing 4-wire measurements thanks to their coaxial design. This allows the voltage and voltage to be measured directly on the contact surface and the resistance to be determined.
- Furthermore, it is also possible to perform connection tests on coaxial plug connectors, such as FAKRA plug connectors.

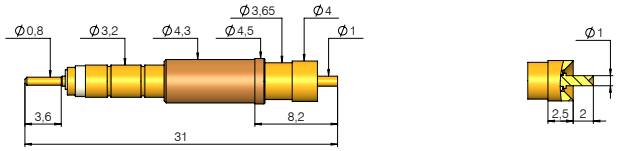
Function / Assembly
- The DPS-445 probes are mounted in the KS-445 receptacle.
- The outer conductor's electrical connection is achieved by soldering it to the receptacle. The inner conductor is wired via the connection pin.

Mounting and functional dimensions

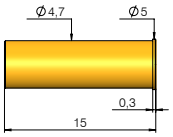
DPS-445 003 060 A 6543



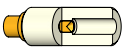
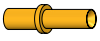
DPS-445 203 100 A 6543



KS-445



Available tip styles

Material		Inner conductor		Plating	Further versions Ø
2	03		Ø 0.60	A	
2	03		Ø 1,00	A	
2	71		Ø 1,00	A	

Material		Outer conductor		Plating	Further versions Ø
3	43		Ø 4,00	A	

Mechanical data
Working stroke: Outside 2,0 mm, Inside 3,0 mm
Maximaler stroke: Outside 2,6 mm, Inside 3,5 mm
Spring force at work. stroke: Outside 4,5 N, Inside 2,0 N

Materials
Plunger
- Outer conductor: CuBe, gold-plated
- Inner conductor: Steel, gold-plated
Barrel: Bronze
Spring: Steel
Receptacle: Brass, gold-plated

Mounting hole size
For KS-445:
in CEM and FR4: Ø 4,68-4,69 mm

Installation and tools
SW-GKS

Electrical data
Current rating: Outside 6,0 A, Inside 1,6 A
Ri typical: Outside 60 mΩ, Inside 30 mΩ

Operating temperature
Standard: -100°C up to +200°C

Ordering example

	Series	Tip material 2 = Steel 3 = BeCu	Tip style	Tip diameter (1/100 mm)	Plating A = Gold	Spring force (dN)	Outer plunger
Dipole probe:	DPS	445	2	03	100	A	65	43
Receptacles::	KS – 445						