

GKS 970

Short-stroke and Charging Test Probes

Grid:

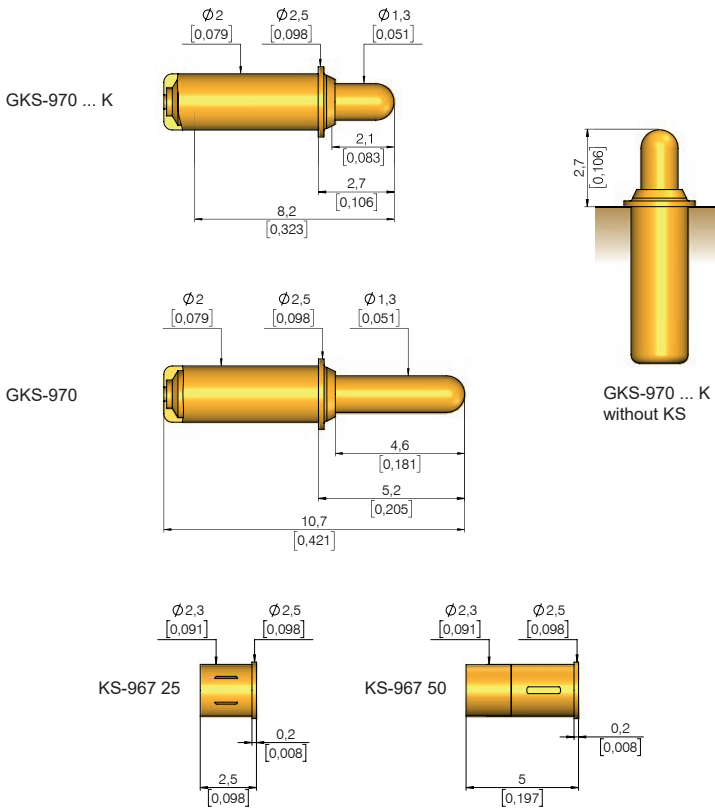
≥ 3 mm

≥ 120 Mil

Installation height with KS: 2,8 mm (.110) respect. 5,3 mm (.209)

Recommended stroke: 1,0 mm (.039) respect. 2,8 mm (.110)

Mounting and functional dimensions



Available tip styles

| Material | Tip style | Plating | Further versions | |
|----------|-----------|---------|------------------|----------|
| | | | ∅ | ∅ (inch) |
| 3 | 05 | A | | |

Mechanical data (970 ... K)

Work. stroke: 2,8 mm (.110) (1,0 mm(.039))

Max. stroke: 3,3 mm (.130) (1,7 mm (.067))

Spring force at work.stroke: 1,0 N (3.6oz);
2,0 N (7.2oz); (2,0 N (7.2oz))

Alternative: *1,0 N; *2,0 N (not 970...K)

Materials

Plunger: BeCu, gold-plated

Barrel: Brass, gold-plated

Spring: Stainless steel, steel, gold-plated

Receptacle: Brass, gold-plated

Electrical data (970 ... K)

Current rating: 5 - 8 A

R_i typical: < 20 mΩ

* < 100 mΩ

Mounting hole size

in CEM1 and FR4

with receptacle: ∅ 2,28 - 2,29 mm

(.0898 - .0902)

without receptacle: ∅ 2,0 mm (.0787)

Operating temperature

Standard: -40° up to +80° C

***with special designation "C":**

-100° up to +200° C (1,0 N; 2,0 N)

Ordering example

| | Series | Tip material 2 = Steel 3 = CuBe | Tip style | Tip diameter (1/100 mm) | Plating A = Gold | Spring force (dN) | Collar height (mm) | Type alternative: "K" |
|--------------|-----------------|---------------------------------------|-----------|----------------------------|---------------------|----------------------|-----------------------|--------------------------|
| Test probe: | G K S | 9 7 0 | 3 | 0 5 | 1 3 0 | A | 2 0 | 0 1 |
| Receptacles: | K S - 9 6 7 2 5 | K S - 9 6 7 5 0 | | | | | | |