



High Current Probes

# HCF77206B250G300A

Order code 1165642

## General

|                       |                     |
|-----------------------|---------------------|
| Design                | Basic Contact Probe |
| Family                | HCF772              |
| Pitch [mm/mil]        | 2.54 / 100          |
| Temperature [C°]      | -45°C...+200°C      |
| Additional definition | A                   |

## Electrical specifications

|                                   |       |
|-----------------------------------|-------|
| Continuous current [A]            | 20.00 |
| Typical contact resistance [mOhm] | 10.00 |

## Mechanical specifications

|                            |        |
|----------------------------|--------|
| Preload [cN]               | 50.00  |
| Spring force [cN]          | 300.00 |
| Nominal travel [mm]        | 4.00   |
| Maximum travel [mm]        | 5.00   |
| Pointing accuracy +/- [mm] | 0.08   |

## Dimensions

|                          |       |
|--------------------------|-------|
| Total length [mm]        | 32.30 |
| Projection height [mm]   | 10.30 |
| Tip style diameter [mm]  | 2.50  |
| Barrel diameter [mm]     | 1.66  |
| Collar diameter [mm]     | 2.00  |
| Press ring diameter [mm] | 2.00  |

## Materials & surfaces

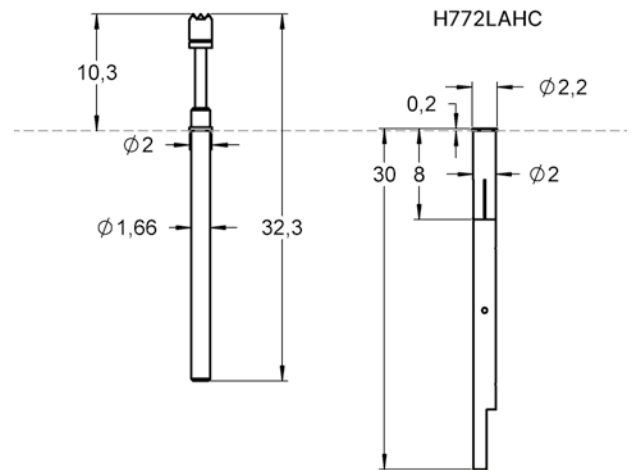
|                  |                  |
|------------------|------------------|
| Tip style        | 06               |
| Plunger material | Beryllium copper |
| Plunger plating  | Gold             |
| Barrel material  | Brass            |
| Barrel plating   | Silver           |
| Spring material  | High-grade steel |
| Spring plating   | Uncoated         |

## Accessories

|                     |          |
|---------------------|----------|
| Tool for receptacle | FEWZ-772 |
|---------------------|----------|

## Family drawing

All measurements are in mm.



## Thermal Rise of Contact Probe vs. Current

