

# Datasheet

## Suction cup U2 Conductive silicone, M2.5 male

Item number: U2.25.01AA



- Suitable for objects with flat or slightly curved surfaces.
- Also used for concave objects.
- Suction cups of conductive silicone are suitable for objects with sensitivity to static electricity.

### Technical data

| Description             | Unit            | Value                      |
|-------------------------|-----------------|----------------------------|
| Suction cup shape       | -               | Universal                  |
| Application             | -               | Electronic / semiconductor |
| Suction cup design      | -               | Round                      |
| Characteristics         | -               | ESD/Conductive/Antistatic  |
| Material                | -               | Silicone (SIL)             |
| Weight, min.            | oz              | 0.00042                    |
| Suction cup model       | -               | U                          |
| Volume                  | in <sup>3</sup> | 0.00018                    |
| Height                  | in              | 0.35                       |
| Outer diameter, min.    | in              | 0.10                       |
| Fitting size            | -               | M2.5                       |
| Fitting option          | -               | None                       |
| Fitting style           | -               | Male                       |
| Fitting type            | -               | M-thread                   |
| Suction cup model       | -               | U2                         |
| Movement, vertical max. | in              | 0.0039                     |
| Curve radius, min.      | in              | 0.16                       |

### Performance - Lifting forces

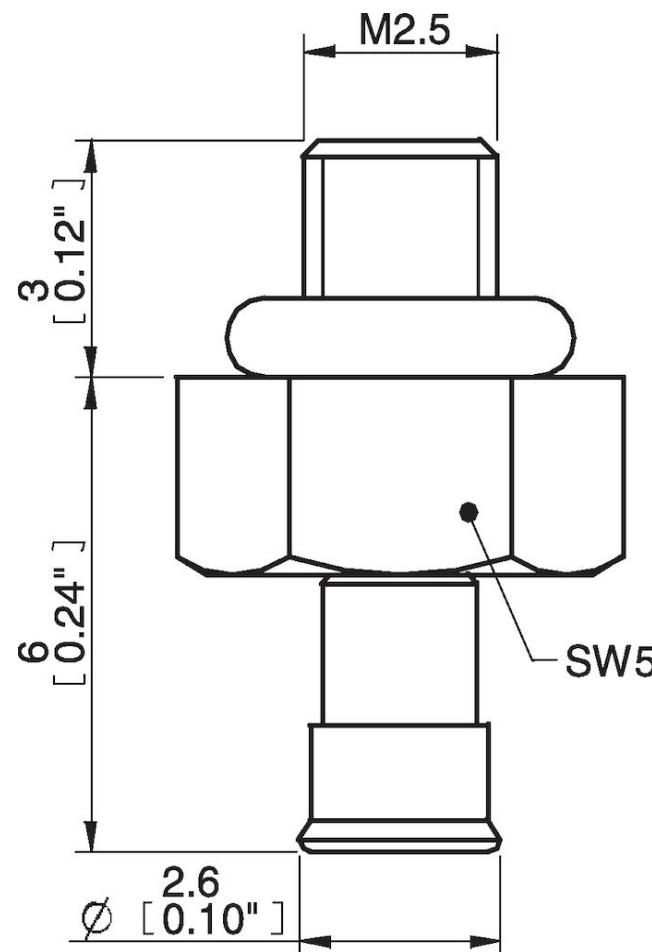
|             | Vertical (lb) | Parallel (lb) |
|-------------|---------------|---------------|
| U2          |               |               |
| 5.91 -inHg  | 0.0067        |               |
| 17.72 -inHg | 0.022         |               |
| 26.58 -inHg | 0.034         |               |

|                        |                            |
|------------------------|----------------------------|
| Name                   | Conductive Silicone (CSIL) |
| Color                  | Black                      |
| Temperature, min.   °F | -67.0                      |
| Temperature max.   °F  | 446.0                      |
| Hardness   °Shore A    | 50                         |

#### Material resistance

|                    |           |
|--------------------|-----------|
| Alcohol            | Good      |
| Concentrated acids | Poor      |
| Ethanol            | n/a       |
| Hydrolysis         | Fair      |
| Methanol           | n/a       |
| Oil                | Poor      |
| Oxidation          | Excellent |
| Gasoline           | Poor      |
| Wear resistance    | Good      |
| Weather and ozone  | Excellent |

#### Dimensional drawings



#### Values specified in this data sheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

#### Spare parts

U2.25 | Suction cup U2 Conductive silicone