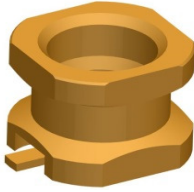


**Product Data Sheet / Produkt Datenblatt**

|                            |   |                        |
|----------------------------|---|------------------------|
| <b>Part Number</b>         | <b>5017.PSMP.1010.003</b>   | <b>Teilenummer</b>     |
| <b>Description</b>         | PSMP(m)-Anbaustecker " Limited detent"<br>PSMP(m) p.c.b. mount plug " Limited detent" | <b>Beschreibung</b>    |
|                            |      |                        |
| <b>Design according to</b> | <b>Long-wipe SMP Spec. 17S000-000</b>   | <b>Ausführung nach</b> |

**Electrical characteristics / Elektrische Eigenschaften**

|   |                    | colored value means:<br>under validation |              |  |
|---|--------------------|--|--------------|--|
|   |                    | Value/Wert                               | Unit/Einheit |  |
| Impedance (MIL-C-39012B)  |                    | 50                                       | [Ω]          | Impedanz (MIL-C-39012B)                                    |
| Operating frequency up to   |                    | 10                                       | [GHz]        | Betriebsfrequenz bis zu                                    |
| Return loss   |                    |  |              | gemessen mit Kabel Typ: Rückflusdämpfung                   |
|   | 1 GHz              | 30                                       | [dB]         |  |
|   | 2 GHz              | 30                                       | [dB]         |  |
|   | 4 GHz              | 30                                       | [dB]         |  |
|   | 6 GHz              | 25                                       | [dB]         |  |
|   | 10 GHz             | 15                                       | [dB]         |  |
| <small>(Return loss depends primary on p.c.b. material +layout)</small> |                    |  |              |  |
| Insertion loss  |                    | $\leq 0.03 \times \sqrt{f(\text{GHz})}$  | [dB]         | Einfügedämpfung  |
| 3rd. Order PIM product 2x43dBm  | at 1870MHz(static) | 160                                      | [dBc]        | PIM Produkt 3. Ordnung                                     |
| Insulation resistance   |                    | $\geq 5$                                 | [GΩ]         | Isolationswiderstand                                       |
| Contact resistance  |                    |  |              | Kontakt-Widerstand   |
| Centre contact  |                    | $\leq 3$                                 | [mΩ]         | Innenkontakt   |
| Outer contact   |                    | $\leq 2$                                 | [mΩ]         | Außenkontakt   |
| Contact current max.  |                    | 1,2                                      | [A] DC       | max. Kontakt-Strombelastbarkeit                            |
| Operating voltage   |                    | 480                                      | [V] DC       | Betriebsspannung   |
| Proof voltage   |                    | 1000                                     | [V] eff      | Prüfspannung   |
| Power handling (at 20°C, sea level, VSWR 1.0)                           | at 2,2GHZ          | $\leq 200$                               | [W]          | (bei 20°C, Meeresspiegel, VSWR 1.0) Leistungsbelastbarkeit |

**Mechanical characteristics / Mechanische Eigenschaften**

|                            |  | Value/ Wert | Unit/Einheit |                        |
|----------------------------|--|-------------|--------------|------------------------|
| Engagement force           |  | max. 45     | [N]          | Steckkraft             |
| Disengagement force        |  | min. 15     | [N]          | Ziehkraft              |
| Mating cycles              |  | $\geq 100$  |              | Steckzyklen            |
| Center contact captivation |  | $\geq 7$    | [N]          | Innenleiter Haltekraft |

