



All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to IEC 60169-10, CECC 22130, US MIL-C-39012

Documents

Assembly instruction 59 G2

Material and plating

| Connector parts | Material | Plating |
|------------------|------------------|---|
| Center contact | Beryllium copper | Gold, min. 1.27 μm over chemical nickel |
| Outer contact | Brass | Gold, min. 0.8 μm over chemical nickel |
| Body | Brass | Gold, min. 0.15 μm over chemical nickel |
| Dielectric | PTFE | |
| Crimping ferrule | Copper | Gold, min. 0.15 μm over chemical nickel |

SMB STRAIGHT JACK
FOR 75 Ω CABLEwww.pewtronic.cz
PLU010236**Electrical data**

| | |
|---------------------------|----------------------------------|
| Impedance | 50 Ω |
| Frequency | DC to 4 GHz |
| Insulation resistance | ≥ 1x10 ³ MΩ |
| Center contact resistance | ≤ 5 mΩ |
| Outer contact resistance | ≤ 2.5 mΩ |
| Test voltage | 750 V rms, 50 Hz, at sea level |
| Working voltage | ≤ 250 V rms, 50 Hz, at sea level |
| Contact current | 1.5 A DC typ. |
| RF-leakage | ≥ 55 dB up to 1 GHz |

*- Limitations are possible due to the used cable type -***Mechanical data**

| | |
|-----------------------------------|-----------------------|
| Mating cycles | ≥ 500 |
| Center contact captivation: axial | ≥ 10 N |
| Engagement force | ≤ 63 N |
| Disengagement force | 8 N min. to 63 N max. |

Environmental data

| | |
|----------------------------|---------------------------------|
| Temperature range | -55° C to +155° C |
| Thermal shock | MIL-STD-202, Meth. 107, Cond. B |
| Vibration | MIL-STD-202, Meth. 204, Cond. B |
| Corrosion | MIL-STD-202, Meth. 101, Cond. B |
| Moisture resistance | MIL-STD-202, Meth. 106 |
| Max. soldering temperature | +260° C for 10 sec. |

Tooling

| | |
|---------------|------------|
| Crimping tool | 11W150-000 |
| Crimp insert | 11W150-404 |

Suitable cables

| | |
|------------|------------------------|
| Cable type | TZC 75025 (75 Ω cable) |
|------------|------------------------|

Packing

| | |
|----------|----------------|
| Standard | 100 pcs in bag |
| Weight | 2.3 g/pce |

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

| Draft | Date | Approved | Date | Rev. | Engineering change number | Name | Date |
|--|----------|-----------------|----------|------|--|-----------|---------------|
| Inge Mühlauer | 07/12/04 | Chr. Entfellner | 20/03/05 | a00 | 04-0130 | Rong Fang | 17/03/05 |
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