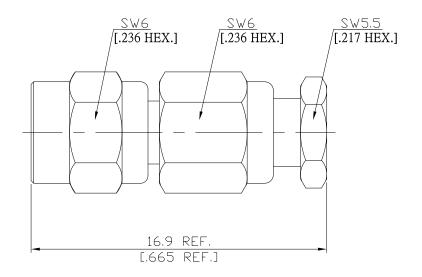


Technical Data Sheet

SMC Straight Cable Plug

SMC1D50-G316A/911



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to

IEC 60169-9; CECC 22140; MIL-C-39012; MIL-STD-348A/312

Electrical Data

Impedance

50 Ω

Frequency VSWR (Return Loss) Insertion Loss DC to 10 GHz ≤ 1.22 (≥ 20dB) ≤ 0.05 dB

- Limitations are possible due to the used cable type and manufacturing process -

Mechanical Data

Coupling mechanisms Screw-lock
Centre contact Soldered
Cable entry Clamped

Environmental Data

Temperature range

-65 °C to +165 °C compliant

Material And Plating

| Connector parts | Material | Plating |
|-----------------|------------------|-----------------------------------|
| Centre contact | Beryllium Copper | Gold plating (Nickel underplated) |
| Body | Brass | Gold plating (Nickel underplated) |
| Insulator | PTFE | |
| Coupling nut | Brass | Gold plating (Nickel underplated) |
| Crimp ferrules | Brass | Gold plating (Nickel underplated) |

Suitable Cables

RG-174, RG-188A, RG-316, LMR-100, RNL-100, BELDEN 7805

Packing

Single or 100

| The facts and figures herein are carefully compiled to the best of our |
|---|
| knowledge, but they are intended for general informational purposes only. |
| In the effort to improve our products, we reserve the right to make changes |
| judged to be necessary. |

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Page

1/1