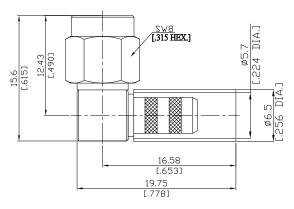


Technical Data Sheet

SMA Right Angle Cable Plug

SMA1C59-G142A/111





All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface According to

IEC 60169-15; MIL-C-39012; MIL-STD-348A/310

Electrical Data

Impedance 50Ω

Frequency DC to 8 GHz

VSWR (Return Loss) ≤ 1.04 (≥ 34.15 dB), DC to 1 GHz

 \leq 1.05 (\geq 32.26 dB), 1 to 2.5 GHz \leq 1.20 (\geq 20.83 dB), 2.5 to 5 GHz \leq 1.30 (\geq 17.69 dB), 5 to 8 GHz

- Digressions are possible due to the used cable type or manufacturing process -

Mechanical Data

Coupling mechanismsScrew-lockCentre contactSolderedCable entryCrimped

Environmental Data

Temperature range -65°C to +165°C compliant

Material And Plating

| · · | | |
|-----------------|-----------------|----------------------------------|
| Connector parts | Material | Plating |
| Centre contact | Brass | Gold plating(Nickel underplated) |
| Body | Brass | Gold plating(Nickel underplated) |
| Insulator | PTFE | |
| Gasket | Silicone Rubber | |
| Coupling nut | Brass | Gold plating(Nickel underplated) |
| Crimp ferrules | Brass | Gold plating(Nickel underplated) |

Suitable Cables

RG 55, RG 142, RG 223, RG 400

Packing

Single or 100

| The facts and figures herein are carefully compiled to the best of our | | Rosnol RF/Microwave Technology | Page |
|---|----------|--|------|
| knowledge, but they are intended for general informational purposes only. | | <u>www.rosnol.com;</u> info@rosnol.com | |
| In the effort to improve our products, we reserve the right to make changes | Date: | Phone: +886-3-463-5095 / Fax:+886-3-463-5952 | 1/1 |
| judged to be necessary. | 19/11/10 | N-CAGE Code: SFKKO | 1/ 1 |