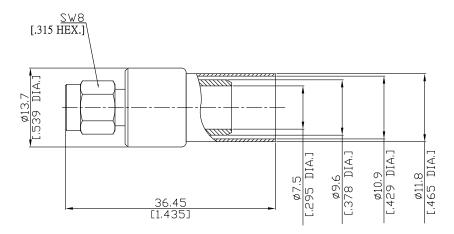


Technical Data Sheet

SMA Straight Cable Plug

SMA1C50-G214A/144



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

According to

Interface

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

Electrical Data

Impedance Frequency

50 Ω

DC to 11 GHz

VSWR (Return Loss)

≤ 1.09 (≥ 27.3 dB), DC to 2.5 GHz ≤ 1.12 (≥ 24.9 dB), 2.5 to 4 GHz

 \leq 1.22 (\geq 20.1 dB), 4 to 6 GHz

Insertion Loss

 \leq 0.05 dB, DC to 6 GHz

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

Mechanical Data

Coupling mechanisms

Screw-lock

Centre contact

Soldered or Crimped

Cable entry

Crimped

Environmental Data

Temperature range

-65°C to +165°C

RoHS

compliant

Material And Plating

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

Suitable Cables

RG-214, RG-225, RG-393

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.

Rev.:-	Rosnol RF/Microwave Technology www.rosnol.com; info@rosnol.com
Date: Phone: +886-3-463-5095	
19/11/10	Fav: +886 3 463 5052