

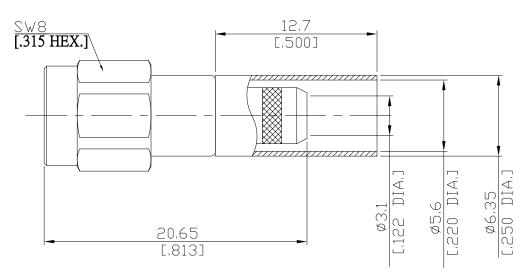
Technical Data Sheet

SMA(Male) Straight Cable Plug

SMA1C50-G142C/144

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All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface According to

Interface

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

Electrical Data

Impedance

Frequency

VSWR (Return Loss)
Insertion Loss

50 Ω

DC to 6 GHz

 \leq 1.20 (\geq 20.83 dB), DC to 5 GHz \leq 0.04 x \sqrt{F} (GHz) dB, DC to 5 GHz

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

Mechanical Data

Coupling mechanisms

Centre contact Cable entry Screw-lock

Soldered or Crimped

Crimped

Environmental Data

Temperature range

RoHS

-65 °C to +165 °C 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-55, RG-142, RG-223, RG-400

Packing

Single, 5-pack, 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.	Rosnol RF/Microwave Technology Co., Ltd. www.rosnol.com; info@rosnol.com	
In the effort to improve our products, we reserve the right to make changes judged to be necessary.	 Phone: +886-3-463-5095 / Fax: +886-3-463-5952 N-CAGF Code: SFKK0 / ISO9001 certified	

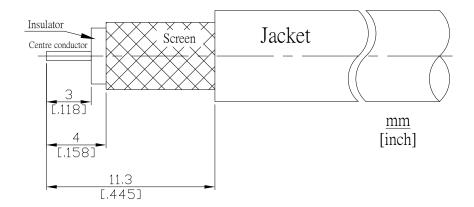


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Recommended Cable Stripping Dimensions



Crimp Dimensions [HEX]

Crimp ferrule Centre contact 5.41 mm [.213 inch] 1.73 mm [.068 inch]