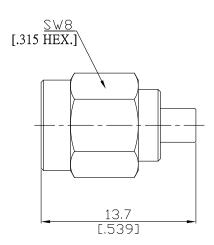


# Technical Data Sheet

# SMA Straight Cable Plug

# SMA1C50-G178A/99H



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

50 Ω Impedance Frequency DC to 6 GHz

VSWR (Return Loss) ≤ 1.12 (≥ 24.9 dB), DC to 1 GHz

≤ 1.22 (≥ 20.1 dB), 1 to 3 GHz  $\leq$  1.29 ( $\geq$  17.9 dB), 3 to 6 GHz

Insertion Loss  $\leq 0.1 \times \sqrt{F (GHz)} dB$ 

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

### Mechanical Data

Coupling mechanisms Screw-lock

Centre contact Soldered or Crimped

Cable entry Crimped

## Environmental Data

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

compliant

#### Material And Plating

Piece Parts	Material	Plating
Centre contact	Beryllium Copper	Gold plating(Nickel underplated)
Body	Beryllium Copper	Gold plating(Nickel underplated)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling nut	Phosphor Bronze	Gold plating(Nickel underplated)
Crimp ferrules	Brass	Gold plating(Nickel underplated)

### Suitable Cables

RG 178, RG 196

Packing

Single or 100

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

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