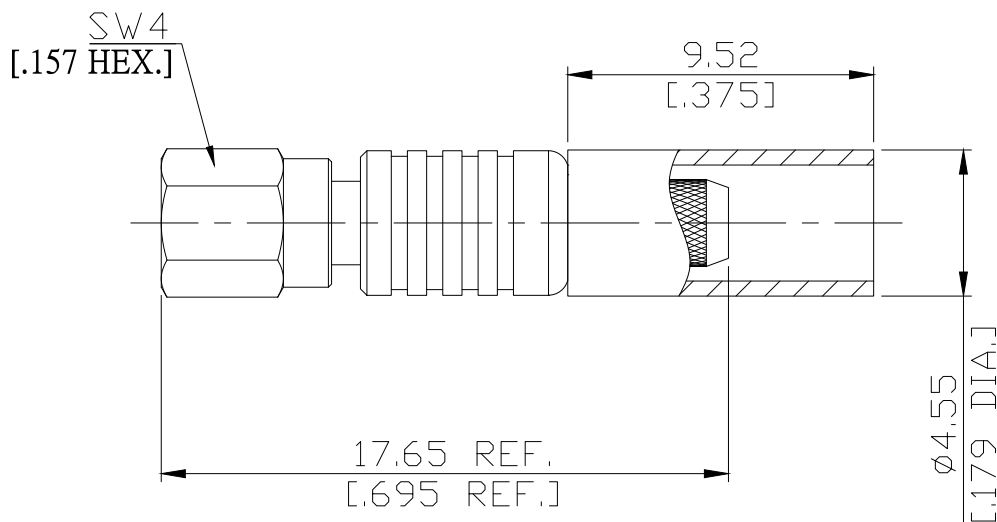


# SSMC Straight Cable Plug DC-6GHz VSWR1.38

## SSMC1C50-D316A / 911



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

### Interface

According to

IEC 60169-20, MIL-STD-348A/310

### Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.38 (≥ 15.9 dB)
Insertion Loss	≤ 0.3 x √F (GHz) dB
Insulation Resistance	≥ 5 GΩ
Center contact resistance	≤ 5 mΩ
Outer contact resistance	≤ 1 mΩ
Dielectric Withstanding Voltage	750 V rms
Working Voltage (at sea level)	250 V rms

### Material And Plating

Piece Parts	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Body	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Insulator	PTFE	
Gasket	Silicone Rubber	
Coupling Nut	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)
Crimp ferrules	Brass	Gold plating, 3 pinch (Non-magnetic nickel-phosphorus underplating, 80 pinch)

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.:  
Date:  
12/7/2020

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# SSMC Straight Cable Plug DC-6GHz VSWR1.38

## SSMC1C50-D316A / 911

### Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	N/A
Cable Retention Force	RG316:100 N

### Environmental Data

Temperature Range	-65°C to +165°C
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition B
RoHS	compliant

### Packing

Single or 100