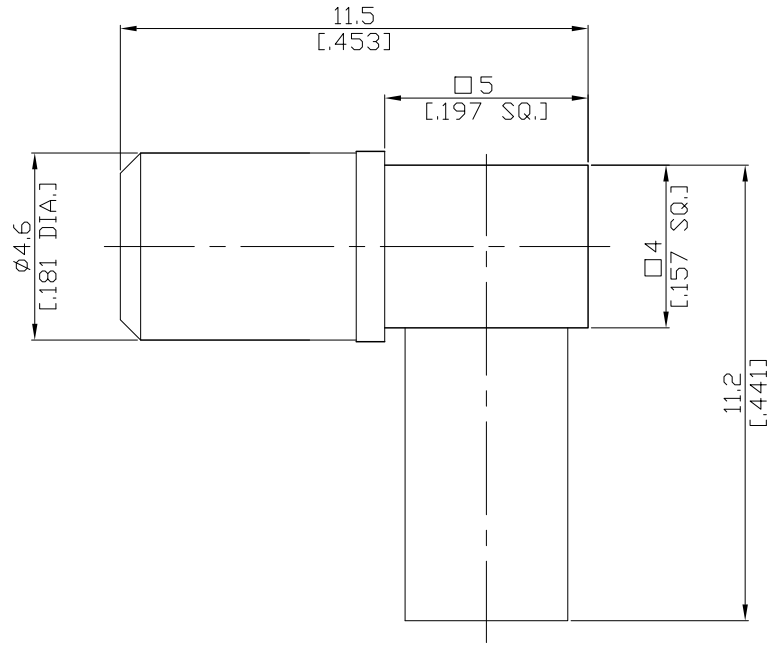
ROSNOL®
RF/Microwave Interconnect

Technical Data Sheet

SSMB Plug (Male) Right Angle Connector, Body Crimp/Pin Solder Attachment for RG174, RG179, RG188, RG316 DC-4GHz VSWR1.3

SSMB1C59-G316A / H11



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

Interface

According to	IEC 61169-19	MIL-STD-348B/320

Electrical Data

Impedance	50 Ω
Frequency	DC to 4 GHz
VSWR (Return Loss)	≤ 1.30 (≥ 17.69 dB)
Insertion Loss	≤ 0.1 x √F (GHz) dB
Insulation Resistance	≥ 1 GΩ
Center Contact Resistance	≤ 5 mΩ
Outer Contact Resistance	≤ 2.5 mΩ
Test Voltage	1000 V rms
Working Voltage	480 V rms

- Limitations are possible due to the used cable type -

Material And Plating

Piece Parts	Material	Plating
Centre contact	Phosphor Bronze	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Insulator	PTFE	
Coupling nut	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Crimp Ferrule	Brass	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

Coupling Mechanisms	Snap-On
Mating Cycles	≥ 100

Environmental Data

Temperature Range	-65°C to +165°C
Thermal Shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition D
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Suitable Cables

RG174, RG179, RG188, RG316

Weight

N/A

Packing

Single or 100

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