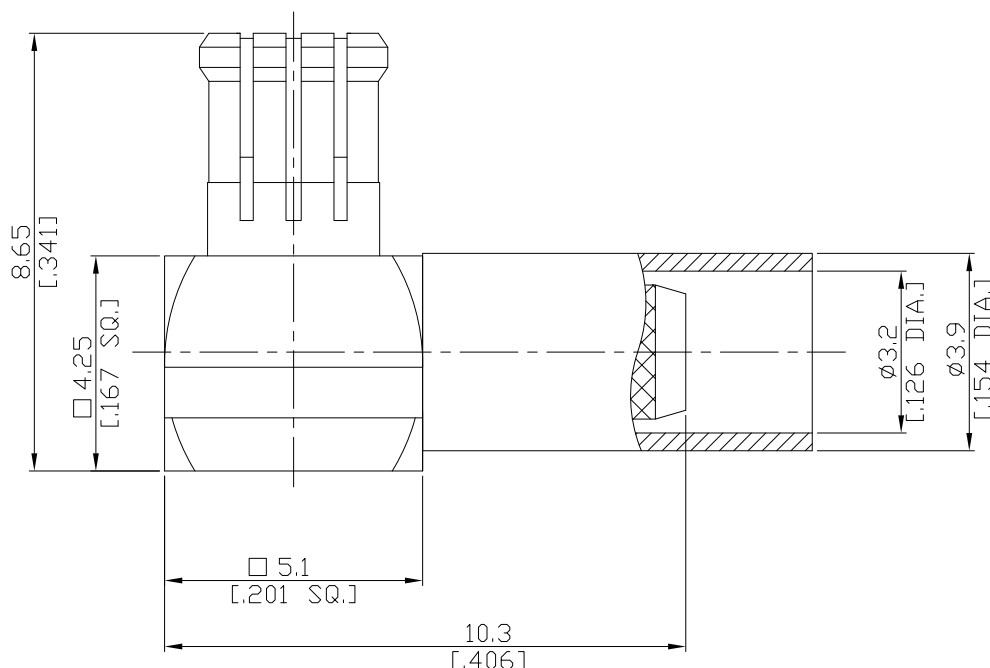


MCX Plug (Male) Right Angle Push-On Connector Crimp/Solder Attachment
for RG174, RG188, RG316, Gold Plated DC-6GHz VSWR1.20

MCX1C59-G316A / 1H



All dimensions are in mm [inch]

Tolerances according to DIN ISO 2768-mH

Interface

According to IEC 61169-36

Electrical Data

Impedance	50 Ω
Frequency	DC to 6 GHz
VSWR (Return Loss)	≤ 1.20 (≥ 20.83 dB)
Insertion Loss	≤ 0.1 × √F (GHz) dB
Insulation Resistance	≥ 1 GΩ
Center Contact Resistance	≤ 5.0 mΩ
Outer Contact Resistance	≤ 2.5 mΩ
Test Voltage (at sea level)	750 V rms
Working Voltage (at sea level)	335 V rms

- Limitations are possible due to the used cable type -

Material And Plating

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

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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Mechanical Data

Coupling Mechanisms	Slide-on
Centre Contact	Soldered
Cable Entry	Crimped
Mating Cycles	≥ 500
Center contact captivation axial:	≥ 10 N
Engagement Force	≤ 25 N
Disengagement force	8 N to 20 N

Environmental Data

Temperature Range	-55°C to +155°C
Thermal Shock	MIL-STD-202, Meth. 107, Cond. F
High Temperature Endurance Test	MIL-STD-202, Meth. 108A, Cond. D
Vibration	MIL-STD-202, Meth. 204, Cond. D
Corrosion	MIL-STD-202, Meth. 101, Cond. B
Moisture Resistance	MIL-STD-202, Meth. 106
RoHS	compliant

Suitable Cables

RG174, RG188, RG316

Packing

Single or 100