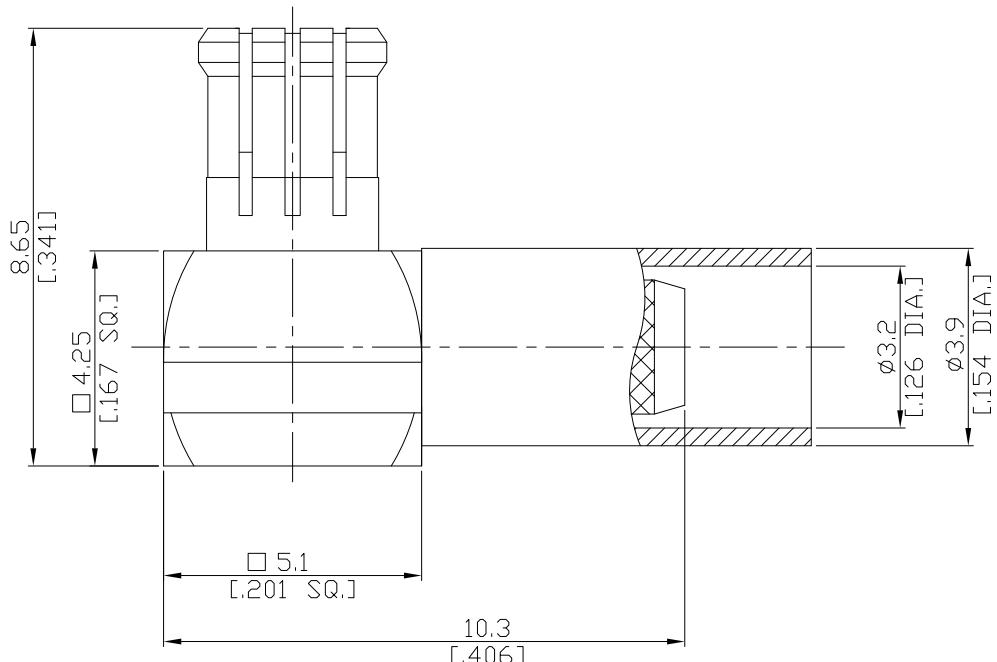


**MCX Plug (Male) Right Angle Push-On Connector Crimp/Solder Attachment
for RG174, RG188, RG316, Gold Plated DC-6GHz VSWR1.20**

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 x √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) |

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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