



## MMCX and Reverse Polarity MMCX Specifications

| Materials      |                          |                |
|----------------|--------------------------|----------------|
| Connector Part | Material                 | Finish         |
| Bodies         | Brass                    | Nickel or Gold |
| Center contact | Male: Brass              | Gold           |
|                | Female: Beryllium Copper |                |
| Insulator      | PTFE                     | N/A            |
| Crimp ferrule  | Annealed Copper          | Nickel or Gold |

| Electrical                      |                                    |
|---------------------------------|------------------------------------|
| Electrical Data                 | Detail                             |
| Impedance                       | 50 ohm                             |
| Frequency range                 | 0~6GHz                             |
| Working voltage                 | 170 volts rms max. at sea level    |
| Insulation resistance           | 1,000 megohms min.                 |
| Dielectric withstanding voltage | 500 volts rms min. at sea level    |
| Contact resistance              | Center contact: 5.0 milliohms max. |
|                                 | Outer contact: 2.5 milliohms max.  |
| VSWR: f(GHz)                    | Straight: 1.3 max.                 |
|                                 | Right angle: 1.5 max.              |
| Insertion loss                  | 0.2dB max. at 1GHz (straight)      |
|                                 | 0.3dB max. at 1GHz (right angle)   |

| Mechanical            |                                |
|-----------------------|--------------------------------|
| Mechanical Data       | Detail                         |
| Engagement force      | 3.4lbs max.                    |
| Disengagement force   | 1.4lbs ~ 3.4lbs                |
| Connector durability  | 500 cycles min.                |
| Cable retention force | RG174, 188, 316/U » 20lbs min. |
|                       | RG178/U » 6lbs min.            |

| Environmental          |   |
|------------------------|---|
| Environmental Data     | Detail                                  |
| Corrosion (salt spray) | MIL-STD-202 METHOD 101 TEST CONDITION B |
| Thermal shock          | MIL-STD-202 METHOD 107 TEST CONDITION F |
| Vibration              | MIL-STD-202 METHOD 204 TEST CONDITION C |
| Temperature Range      | -65°C to 165°C                          |

# Mouser Electronics

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