

MMCX Male R/A to SMA Female Bulkhead

RG174 Cable



Model Number: MMCX Male R/A to SMA Female Bulkhead

Product Features

SMA Female
MMCX Male
RG174
Right Angle
Bulkhead

Applications

GPS Antennas
GSM Antennas

Product Description

The MMCX male right angle to SMA female bulkhead cable assembly is ideal for PCB / sub system to panel connection in a wide range of RF and wireless applications. The MMCX is a miniature board or panel mount connector featuring a snap lock mechanism with the mating half. Its construction also allows for a 360 degree rotation once engaged. This is connected to a bulkhead mount SMA female connector via RG174 cable. The SMA is probably the most widely used RF interface connector with secure screw mounting to the mating half counterpart. Providing a simple means of bringing board level signals to an external I/O port, this assembly is available in four convenient lengths from 100mm to 250mm. Suitable for a range of industrial and professional applications, the use of high quality components and termination ensure a reliable service for both prototyping and production requirements.

The RG174 is a compact 50 ohm cable with a typical minimum bend radius of 10.5mm. It is widely used in a range of RF applications including internal equipment signal routing and direct antenna connection.

Electrical Specification

Cable Specifications

Impedance: $50 \pm 5 \Omega$ (10MHz~3GHz)

Conductor Resistance: Max. 142.6 Ω /km at 20°C

Insulation resistance: Min. 1000 M Ω /km DC 500V at 20°C

Mutual Capacitance: 1 KHz Between Conductor and Shielding 100 \pm 8 pF/m

Attenuation: Loss dB/M @ 1GHz: 1.175

Operating Frequencies

Up to 3GHz

Mechanical Specifications

Cable Dimensions

Conductor: 0.48mm

Insulator: 1.55mm

Shield: 95% Coverage

Jacket: 2.7mm

Materials

Conductor: Copper Strangle

Insulator: XLPE

Shield: Tinned Copper Wire

Jacket: PVC

Mounting Specifications

Connector: MMCX Male Right Angle to FME Male Bulkhead

Cable: RG174

Minimum Bend Radius

10.5mm