



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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## MMCX Male R/A to FME Male Bulkhead

### RG174 Cable



Model Number: MMCX Male R/A to FME Male Bulkhead

#### Product Features

FME Male  
MMCX Male  
RG174  
Bulkhead

#### Applications

GPRS antennas  
GSM antennas  
3g Antennas

#### Product Description

The MMCX male right angle to FME male 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 FME male connector via RG174 cable. The FME is a popular 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 three convenient lengths from 100mm to 200mm. 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  $\Omega$ /km at 20°C

Insulation resistance: Min. 1000 M $\Omega$ /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

## Additional Features

MMCX Male Right Angle to FME Male bulkhead RG174 coax cable assembly. Cable length options include; 100mm and 150mm.