

# 12GHz MCX Cable Connectors

## MCX Straight Plug for 12G Applications

### Part Number XJT-A009-GGAF

#### Issue 1.0

#### General Description

Our range of 12GHz Precision MCX coaxial connectors are optimised for 4K/Quad HD and Ultra HD Broadcast applications and have been developed under the CoaxVision™ Brand name, while complying with the electrical specifications of CXP-12. These high performance connectors allow you to achieve a 12GHz channel in one single connection.

The MCX connectors are mateable with any standard 75Ω MCX connector, but optimum performance is achieved when Cambridge Electronics PCB mounted styles are interfaced with these 12GHz MCX plugs.

The XJT-A009-GGAF connector is a straight cable mounted plug, designed for use up to 12GHz. The connector is suitable for cables in the group AF including RG179 and RG187 AU.

#### Electrical Specification

Impedance: 75Ω  
Frequency Range: 0-12GHz  
Working Voltage: 335Vrms  
Dielectric Withstanding Voltage: 750Vrms

Contact Resistance:  
Centre Contact ≤ 5mΩ  
Outer Contact ≤ 10mΩ  
Insulation Resistance: ≥ 1GΩ  
Connector Type: Male

#### Mechanical

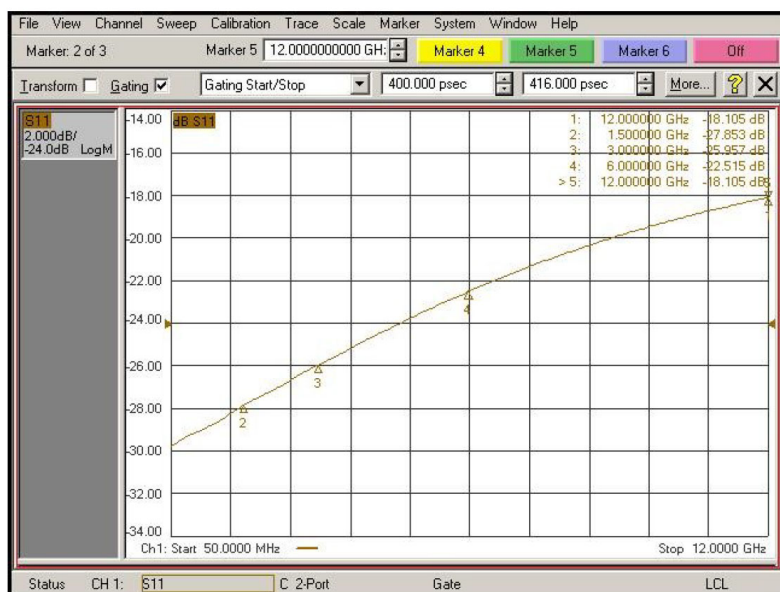
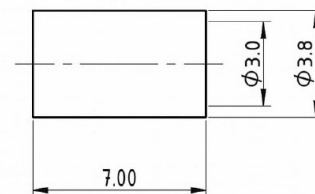
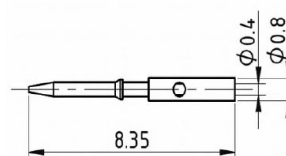
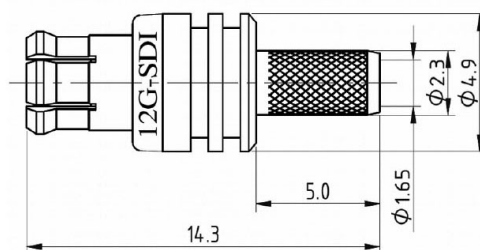
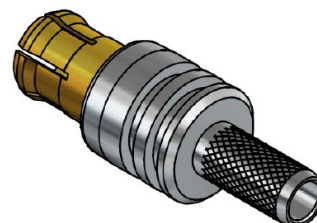
Mating: Snap on coupling  
Connector Durability: ≥ 500 cycles  
Engagement Force: ≤ 3.4lbs  
Disengagement Force: 1.4~3.4lbs  
Cable Retention Force: ≥ 12.1lbs

#### Materials

Centre Pin: BeCu/ Ni / Au  
Metal Parts: Brass / Ni / Au  
Insulators: PTFE  
Environmental Temp Range: -65 to +165°C

#### Features

- Precision 12GHz 75Ω MCX range
- Right Angled Cable Mounted Plug
- 12G-SDI Compatible
- Suitable for use in CXP-12 applications



Drawing Issue 1.0



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