

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.

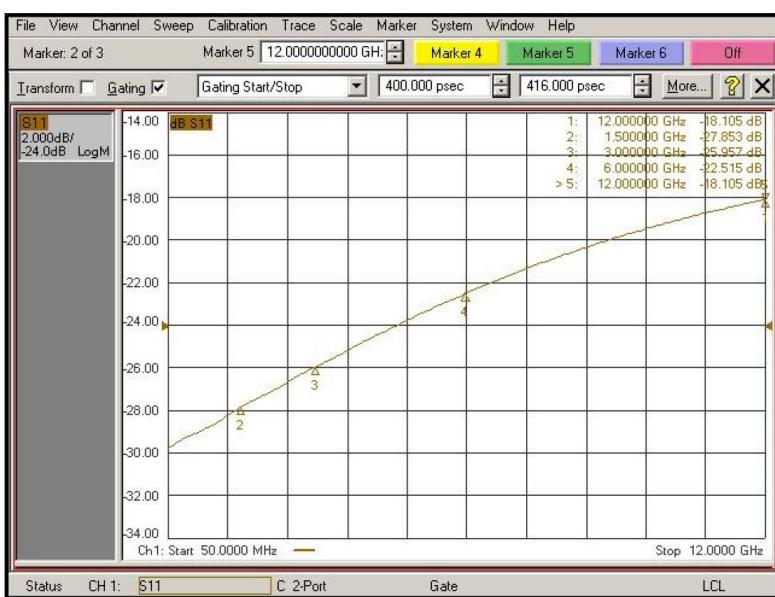
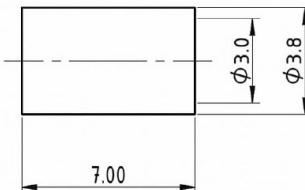
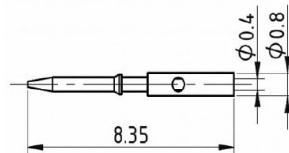
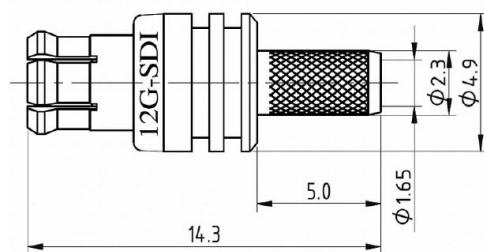
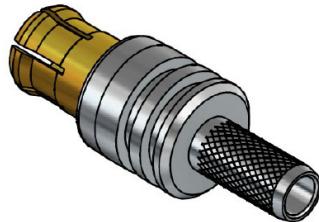
The XJT-A009-GGAF connector is a straight cable mounted plug, designed for use up to 12GHz. The connector is suitable for cables in the group AF including RG179 and RG187 AU.

Electrical Specification

Impedance:	75Ω
Frequency Range:	0-12GHz
Working Voltage:	335Vrms
Dielectric Withstanding Voltage:	750Vrms
Contact Resistance:	$\leq 5\text{m}\Omega$
Centre Contact	$\leq 10\text{m}\Omega$
Outer Contact	$\geq 1\text{G}\Omega$
Insulation Resistance:	Male
Connector Type:	
Mechanical Mating:	Snap on coupling
Connector Durability:	≥ 500 cycles
Engagement Force:	$\leq 3.4\text{lbs}$
Disengagement Force:	1.4-3.4lbs
Cable Retention Force:	$\geq 12.1\text{lbs}$
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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