

## - Information



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Prod.

FCCC RX Jumper

Prod No.

FC-1102

### Application and Properties:

RX jumper made from rg223 coaxial cable and RF SMC connectors. The RX jumper is used for wireless telecommunications applications, including WiFi, PCS, radio, computer networks, test instruments, Distribution Antenna Systems (DAS) and antenna devices. Cable and connectors have been soldered together in the production operation. Security of the joint and their concentric is guaranteed by a tight plastic cover. Quality of the product is tested according to IEC and MIL Standards

## - Other Details

- High quality and excellent performances
- High reliability and safety
- Fast and easy installation
- Low attenuation and low loss and low VSWR
- Excellent electrical conductivity
- High operating voltage
- Operating frequency to 3 GHz
- Available in variety of lengths
- Resistant to flames, sparks & Flame propagation
- Flexible
- Resistant to aging
- High dimensional stability
- Compliance with military and international standards (IEC, etc)

## - Technical Specification

### Technical Specifications

General specifications		
Cable	RG-223	
Connector	SMC-Female-Right Angle	
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Impedance	50ohms	
Frequency Range	DC~3GHz	
Cable specificationh		
Construction		
Inner Conductor	Material	Silver-coated copper
	Diameter, mm	0.89±0.01
Insulation	Material	PE
	Diameter, mm	3.0±0.10

## Continuance

<b>Outer Conductor</b>	1st shield	Tinned copper
	2nd shield	Tinned copper
<b>Jacket</b>	Diameter, mm	4.18 (Nom.)
	Material	PVC
	Diameter, mm	5.4±0.15

### Mechanical specification

Operating temperature range	-20°C to +80 °C
Single Bending Radius, mm	25

### Electrical specification

Characteristic impedance	50±2 Ω
Capacitance	101 pF per m
Inductance (μH)	0.077
Nominal propagation velocity	66 %
Voltage Rating, Vrms	1900
Max.Operating Frequency, GHz	12.4

### Attenuation and rating power

Frequency MHz	Typical Attenuation @20°C,dB/100m
100	13.3
200	20.4
400	27.4
500	32.0
1000	45.5
3000	84.9
5000	109.9
11000	177.5

### Connector specification

Gender	Female
Termination Method	Crimp, Solder
Body Orientation	Right Angle
Impedance	50Ω
Operating Frequency Range	DC~3GHz
Working Voltage	500V max
Contact resistance	Center Contact      ≤ 5 mΩ
	Outer Contact        ≤2.5mΩ
Insulation resistance	≥ 1000 MΩ
VSWR	≤ 1.2
Center conductor(Material and plating)	Brass/phosphor bronze      Au

