

# C085MCXM

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MCX Male for 0.085 in CF085-50 cable

## Product Classification

<b>Product Type</b>	Wireless and radiating connector
<b>Product Series</b>	CF085-50

## General Specifications

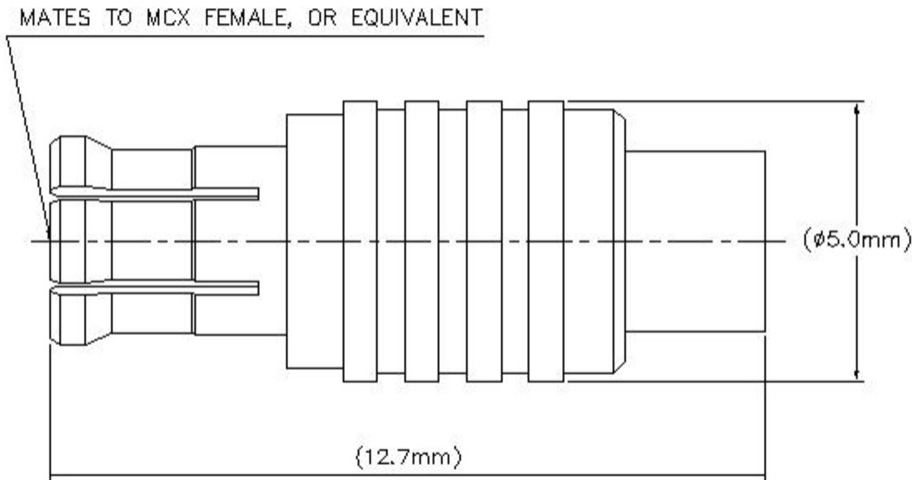
<b>Body Style</b>	Straight
<b>Cable Family</b>	CF085-50
<b>Inner Contact Plating</b>	Gold
<b>Interface</b>	MCX Male
<b>Mounting Angle</b>	Straight
<b>Outer Contact Plating</b>	Gold
<b>Pressurizable</b>	No

## Dimensions

<b>Height</b>	5.08 mm   0.2 in
<b>Width</b>	5.08 mm   0.2 in
<b>Length</b>	12.7 mm   0.5 in

## Outline Drawing

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## Electrical Specifications

<b>Average Power at Frequency</b>	0.2 kW @ 900 MHz
<b>Cable Impedance</b>	50 ohm
<b>Connector Impedance</b>	50 ohm
<b>dc Test Voltage</b>	750 V
<b>Inner Contact Resistance, maximum</b>	5 mOhm
<b>Insulation Resistance, minimum</b>	1000 MOhm
<b>Operating Frequency Band</b>	0 – 6000 MHz
<b>Outer Contact Resistance, maximum</b>	2.5 mOhm
<b>Peak Power, maximum</b>	0.21 kW
<b>Shielding Effectiveness</b>	-100 dB

## VSWR/Return Loss

Frequency Band	VSWR	Return Loss (dB)
0–1000 MHz	1.222	20.01
1000–6000 MHz	1.38	16

## Mechanical Specifications

<b>Interface Durability</b>	500 cycles
<b>Interface Durability Method</b>	IEC 61169-4:17

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**Mechanical Shock Test Method** IEC 60068-2-27

## Environmental Specifications

**Operating Temperature** -55 °C to +85 °C (-67 °F to +185 °F)  
**Storage Temperature** -65 °C to +125 °C (-85 °F to +257 °F)  
**Attenuation, Ambient Temperature** 20 °C | 68 °F  
**Average Power, Ambient Temperature** 40 °C | 104 °F  
**Average Power, Inner Conductor Temperature** 100 °C | 212 °F  
**Corrosion Test Method** IEC 60068-2-11  
**Moisture Resistance Test Method** IEC 60068-2-3  
**Thermal Shock Test Method** IEC 60068-2-14  
**Vibration Test Method** IEC 60068-2-6

## Packaging and Weights

**Weight, net** 1 g | 0.002 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

