

**MMCX-CA, MMCXV-CA, MCX-CA SERIES**

# 50Ω MMCX & MCX COMPONENTS

**SPECIFICATIONS**

For complete specifications and assembly instructions see [www.samtec.com?MMCX-CA](http://www.samtec.com?MMCX-CA) or [www.samtec.com?MMCXV-CA](http://www.samtec.com?MMCXV-CA)

**Shell Material:** Brass  
**Insulator Material:** PTFE  
**Lead, Contact Socket and Outer Conductor Material:** BeCu with Au plating  
**Center Contact:** Soldered  
**Outer Ferrule:** Crimped  
**Operating Temp Range:** -65°C to +125°C  
**Insulation Resistance:** 1,000MΩ min  
**Contact Resistance:** Center: 5mΩ  
 Outer: 2.5mΩ  
**Impedance:** 50Ω  
**Dielectric Withstanding Voltage:** 500 Vrms, 50Hz  
**Dielectric Working Voltage:** 170 Vrms, 50Hz  
**Frequency Range:** 0-6 GHz (Cable dependent)

TYPE	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
<b>MMCX</b> = Standard MMCX	<b>-J</b> = Jack (MMCXV-ST only)	<b>-C</b> = Cable	<b>-H</b> = 30μ" (0,76 μm) Gold center contact, 3μ" (0,08 μm) Gold outer contact	<b>-RA</b> = Right Angle <b>-ST</b> = Straight	<b>-CA1</b> = RG 174/316 Cable (RG 174: MMCX only) <b>-CA2</b> = RG 178 Cable (MMCX only)
<b>MMCXV</b> = High Vibration MMCX	<b>-P</b> = Plug				

Supplied with pins and ferrules. See website for dimensions.

**SPECIFICATIONS**

For complete specifications and assembly instructions see [www.samtec.com?MCX-CA](http://www.samtec.com?MCX-CA)

**Insulator Material:** PTFE  
**Contact Material:** BeCu  
**Shell and Pin Material:** Brass  
**Center Contact:** Soldered  
**Outer Ferrule:** Crimped  
**Operating Temp Range:** -65°C to +125°C  
**Insulation Resistance:** 1,000MΩ  
**Contact Resistance:** Center: 5mΩ  
 Outer: 2.5mΩ  
**Impedance:** 50Ω  
**Frequency Range:** 0-6 GHz (Cable dependent)  
**V.S.W.R.:** 1.5 max (-RA)  
 1.3 max (-ST)  
**Dielectric Withstanding Voltage:** 1,000 Vrms min, 50Hz  
**Dielectric Working Voltage:** 335 Vrms max.

MCX	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
<b>-J</b> = Jack	<b>-P</b> = Plug	<b>-C</b> = Cable	<b>-H</b> = 30μ" (0,76 μm) Gold center contact, 3μ" (0,08 μm) Gold outer contact	<b>-RA</b> = Right Angle (-P only) <b>-ST</b> = Straight	<b>-CA1</b> = RG 174/316 Cable <b>-CA2</b> = RG 178 Cable

TYPE (-RA)	A	B
-P-CA1	(7,78) .306	(9,50) .374
-P-CA2	(8,58) .338	(10,00) .394

TYPE (-ST)	E	F
-J-CA1	(4,50) .177	(15,50) .610
-J-CA2	(4,78) .188	(15,00) .591

Supplied with pins and ferrules. See website for dimensions.

*Due to technical progress, all designs, specifications and components are subject to change without notice.*