



**MCX7 SERIES**

# 75 Ω OPTIMIZED MCX JACKS & PLUGS

**Mates with:**

RF179, GRF7H-C

**SPECIFICATIONS**

For complete specifications and recommended PCB layouts see [www.samtec.com?MCX7-SM](http://www.samtec.com?MCX7-SM) or [www.samtec.com?MCX7-TH](http://www.samtec.com?MCX7-TH)

**Shell Material:** Brass

**Contact Material:** BeCu

**Insulator Material:** PTFE

**Impedance:**

ST = 75 Ω ±3 Ω

RA = 75 Ω ±4 Ω

**Frequency Range:**

0~6 GHz

**Working Voltage:**

170 Vrms max

**Dielectric Withstanding:**

500 Vrms min

**Engagement Force:**

4.5 lbs max (-ST only)

**Disengagement Force:**

2.3 lbs max (-ST only)

**Operating Temperature:**

-65 °C to +125 °C

**RoHS Compliant:**

Yes

**PROCESSING**

**Lead-Free Solderable:**

Yes

MCX7	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION
	-P = Plug -J = Jack	-P = PCB Mount	-H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (0.08 μm) Gold outer contact	-ST = Straight -RA = Right-angle (-J-TH1 only)	-SM1 = Surface Mount (-ST only) -TH1 = Through-hole (-J only)

**SPECIFICATIONS**

For complete specifications and assembly instructions see [www.samtec.com?MCX7-CA](http://www.samtec.com?MCX7-CA)

**Contact Material:** Brass

**Finger Shell Material:** BeCu

**Body Material:** Brass

**Insulator Material:** PTFE

**Center Contact:** Soldered

**Outer Ferrule:** Crimped

**Impedance:** 75 Ω

**Frequency Range:**

0~6 GHz (-ST)

0~4.5 GHz (-RA)

**Working Voltage:**

170 Vrms max

**Dielectric Withstanding:**

500 Vrms min

**Operating Temperature:**

-65 °C to +125 °C

MCX7	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION	PACKAGING
	-P = Plug	-C = Cable	-H = 30 μ" (0.76 μm) Gold center contact, 3 μ" (0.08 μm) Gold outer contact	-ST = Straight -RA = Right-angle	-CA3 = RG 179 Cable	Leave blank for individually bagged. -B = Bulk Packaging

Supplied with pins and ferrules. See website for dimensions.

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