



MCX7 SERIES

75 Ω OPTIMIZED MCX JACKS & PLUGS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MCX7-SM or 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

- 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
	-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

Supplied with pins and ferrules. See website for dimensions.