

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

Mates with:

RF179,
GRF7H-C

-P
= Plug

-J
= Jack

-P
= PCB
Mount

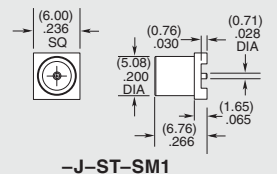
-H
= 30 μ" (0.76 μm)
Gold center
contact,
3 μ" (0.08 μm)
Gold outer
contact

-ST
= Straight

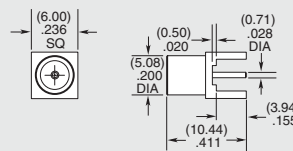
-RA
= Right-angle
(-J-TH1 only)

-SM1
= Surface Mount
(-ST only)

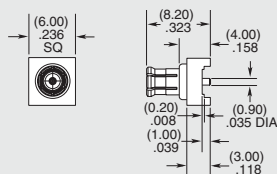
-TH1
= Through-hole
(-J only)



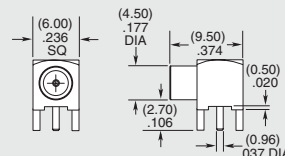
-J-ST-SM1



-J-ST-TH1



-P-ST-SM1



-J-RA-TH1

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

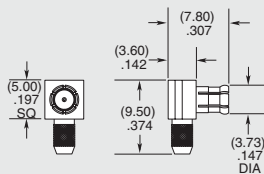
-C
= Cable

-H
= 30 μ" (0.76 μm)
Gold center
contact,
3 μ" (0.08 μm)
Gold outer
contact

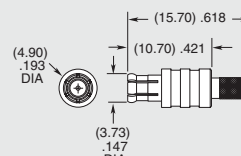
-ST
= Straight

-RA
= Right-angle

-CA3
= RG 179 Cable



-P-RA



-P-ST

Supplied with pins and ferrules. See website for dimensions.

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

WWW.SAMTEC.COM

All parts within this catalog are built to Samtec's specifications.

Customer specific requirements must be approved by Samtec and identified in a Samtec customer-specific drawing to apply.