

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

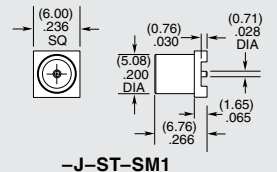
-H
= 30 μ" (0.76 μm)
Gold center
contact,
3 μ" (0.08 μm)
Gold outer
contact

-ST
= Straight

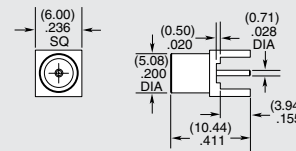
-RA
= Right-angle
(-J-TH1 only)

-SM1
= Surface Mount
(-ST only)

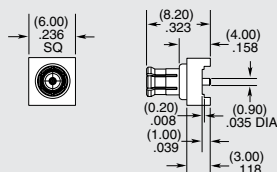
-TH1
= Through-hole
(-J only)



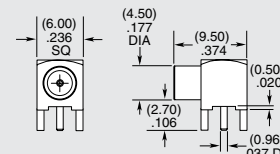
-J-ST-SM1



-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

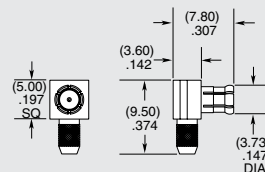
-C
= Cable

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

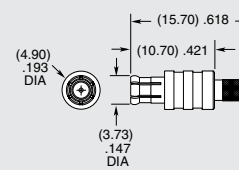
-ST
= Straight

-RA
= Right-angle

-CA3
= RG 179 Cable



-P-RA



-P-ST

Supplied with pins and ferrules. See website for dimensions.

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Samtec:

[MCX7-J-P-H-ST-SM1](#) [MCX7-P-C-H-RA-CA3](#) [MCX7-J-P-H-ST-TH1](#) [MCX7-J-P-H-RA-TH1](#) [MCX7-P-C-H-ST-CA3](#)
[MCX7-P-P-H-ST-SM1](#) [MCX7-P-C-HN-ST-CA3](#) [MCX7-J-P-HN-RA-TH1](#)