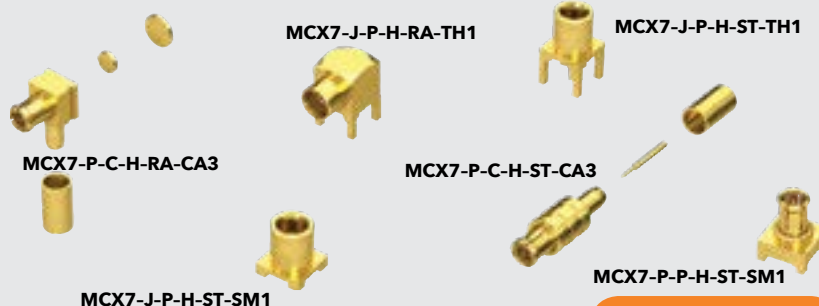




MCX7 SERIES

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 or www.samtec.com?MCX7-TH

Shell Material: Brass**Contact Material:** BeCu**Insulator Material:** PTFE**Impedance:**ST = 75 Ω $\pm$ 3 Ω RA = 75 Ω $\pm$ 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 $^{\circ}$ C to +125 $^{\circ}$ C**RoHS Compliant:**

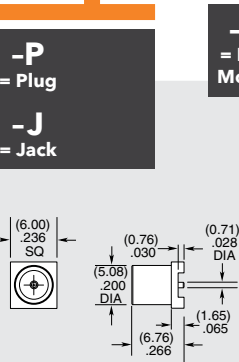
Yes

PROCESSING

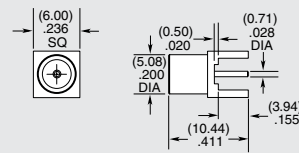
Lead-Free Solderable:

Yes

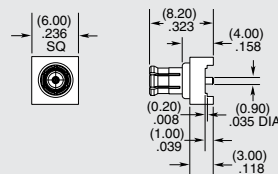
MCX7 — GENDER — TYPE — PLATING — ORIENTATION — TERMINATION



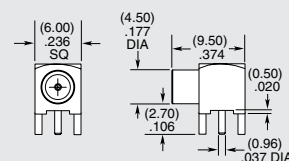
-J-ST-SM1



-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:

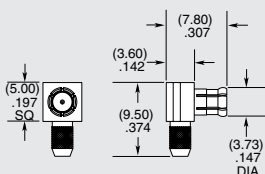
170 Vrms max

Dielectric Withstanding:

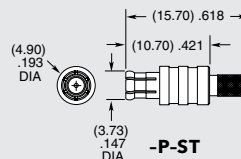
500 Vrms min

Operating Temperature:-65 $^{\circ}$ C to +125 $^{\circ}$ C

MCX7 — GENDER — TYPE — PLATING — ORIENTATION — TERMINATION — PACKAGING



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