



**MMCX SERIES**

# 50Ω MMCX MICRO-MINI JACKS & PLUGS

Mates with:  
RF174, RF316, RF178,  
RS316, GRF1H-C

**SPECIFICATIONS**

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

**Contact Material:**

BeCu

**Insulator Material:**

PTFE

**Pin and Shell Material:**

Brass

**Operating Temp Range:**

-65°C to +125°C

**Insulation Resistance:**

1000MΩ min

**Contact Resistance:**

Center: 5mΩ

Outer: 2.5mΩ

**Impedance:**

50Ω

**Dielectric Withstanding Voltage:**

500 Vrms, 50Hz

**Dielectric Working Voltage:**

170 Vrms, 50Hz

**V.S.W.R.:**

1.3 max (-EM, -ST-SM1)

1.5 max (-RA-SM1)

**Frequency Range:**

0-6 GHz

**RoHS Compliant:**

Yes

**Processing:**

Lead-Free Solderable

Yes

**OTHER SOLUTIONS**

- High Vibration jacks and plugs. These connectors are not changeable with the MMCX.

Contact Samtec.

**Notes:**

Random vibration and Resonant Search test reports available online.

75Ω version available. See MMCX7 Series.

