

## MCX Connector Series

### KLS1-MCX001 MCX Connector Series

#### Electrical Specifications

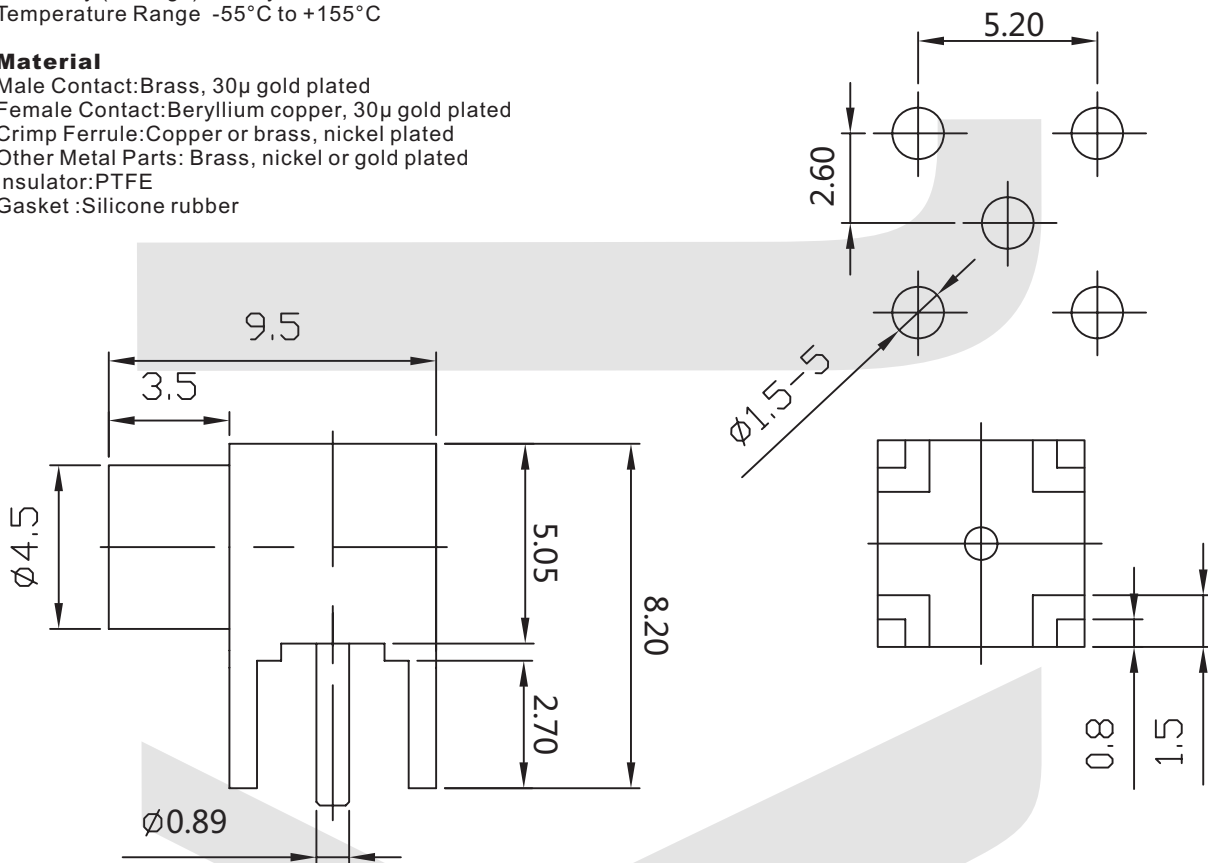
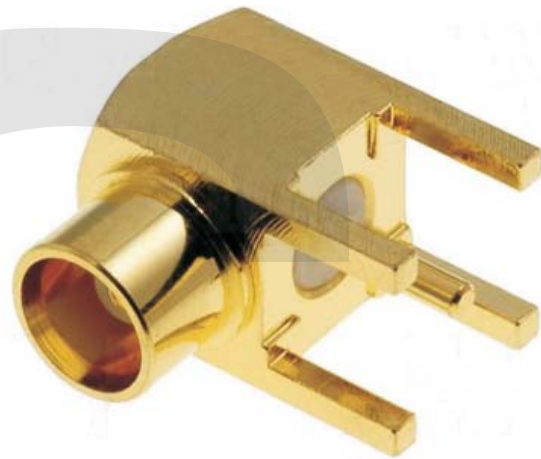
Impedance: 50Ω  
 Frequency Range: DC - 6 GHz  
 VSWR: 1.06 max. @ DC - 2.5 GHz (straight)  
           1.1 max. @ DC - 2.5 GHz (right angle)  
 RF-Leakage :60 dB Min. @ 1 GHz (flexible cable)  
               70 dB Min. @ 1 GHz (semi-rigid cable)  
 Voltage Rating (at sea level): 335 Vrms Min.  
 Contact Resistance: Center Contact: 5 mΩ Max.  
                           Outer Contact: 2.5 mΩ Max.  
 Insulation Resistance: 10,000 MΩ Min.  
 Insertion Loss Max.: 0.10 dB @ 1 GHz  
 Dielectric Withstanding Voltage: 1,000 Vrms (at sea level)

#### Mechanical

Mating: Snap-on coupling  
 Braid/Jacket Cable Affixment: Hex crimp  
 Center Conductor Cable Affixment: Solder  
 Contact Captivation: 2.3 lbs (10N) Min.  
 Engagement Force : 5.6 lbs (25N) Max.  
 Disengagement Force: 2.3 lbs (10N) Min.  
 Durability (matings) 500 cycles Min.  
 Temperature Range -55°C to +155°C

#### Material

Male Contact: Brass, 30μ gold plated  
 Female Contact: Beryllium copper, 30μ gold plated  
 Crimp Ferrule: Copper or brass, nickel plated  
 Other Metal Parts: Brass, nickel or gold plated  
 Insulator: PTFE  
 Gasket :Silicone rubber



## ORDER INFORMATION

Product NO.: KLS1-MCX001

Pos. NO. \_\_\_\_\_  
 MCX Connector Type \_\_\_\_\_