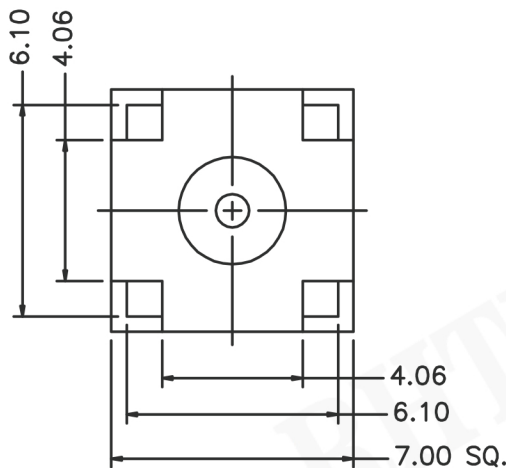


PCB MOUNTING HOLES



SMBCConnectorSeries

RE-C-SMB001 SMBCConnectorSeries

Electrical Specifications

Impedance: 50Ω
 Frequency Range: 0-4GHz with low reflection; usable to 10.0GHz
 Voltage Rating for RG-188/U Cable:
 335volts at sea level and 85volts at 70,000feet
 Dielectric Withstanding Voltage: RG-196: 750VRMS;
 RG-188: 1,000VRMS
 VSWR: Straight connector, RG-196/U: 1.30±0.04f(GHz)
 Right angle connector, RG-196/U: 1.45±0.06f(GHz)
 Straight connector, RG-188/U: 1.25±0.04f(GHz)
 Right angle connector, RG-188/U: 1.35±0.04f(GHz)

Contact Resistance:

Center contact: 6.0mΩ initial, 8.0 after environmental;
 Outer contact: 1.0mΩ initial, 1.5 after environmental
 Braid to body: 1.0mΩ initial, after environmental N/A

Insulation Resistance: 1,000MΩ Min.

Insertion Loss: Straight connector: 0.30dB@1.5GHz
 Right angle connector: 0.60dB@1.5GHz

RF Leakage: -55dB Min. @2-3GHz

Mechanical

Mating: Snap-on coupling per MIL-STD-348
 Braid/Jacket Cable Affixment: Hex crimp
 Center Conductor Cable Affixment: Solder
 Engagement Forces: Engagement: 14lbs maximum
 Disengagement: 2lbs minimum

Durability: 500 cycles Min.
 Temperature Range: -65°C to +165°C

Material

Center Contact:
 Female: beryllium copper, gold-plated
 Male: brass or beryllium copper, gold-plated
 Outer Contact Plating: Nickel or gold plating
 Body: Brass or zinc
 Body Plating: Nickel or gold plating
 Insulator: TFE
 Crimp Ferrule: Annealed copper alloy

ORDER INFORMATION

Product NO.: RE-C-SMB001

Pos. NO. _____
 SMBCConnector Type _____