



SMB Connector Series

RE-C-SMB006 SMB Connector Series

Electrical Specifications
Impedance: 50 Ω
Frequency Range: 0-4 GHz with low reflection; usable to 10.0 GHz
Voltage Rating for RG-188/U Cable:
 335 volts at sea level and 85 volts at 70,000 feet
Dielectric Withstanding Voltage: RG-196: 750 VRMS;
 RG-188: 1,000 VRMS
VSWR: Straight connector, RG-196/U: 1.30±0.04 f (GHz)
 Right angle connector, RG-196/U: 1.45±0.06 f (GHz)
 Straight connector, RG-188/U: 1.25±0.04 f (GHz)
 Right angle connector, RG-188/U: 1.35±0.04 f (GHz)
Contact Resistance:
 Center contact: 6.0 mΩ initial, 8.0 after environmental;
 Outer contact: 1.0 mΩ initial, 1.5 after environmental
 Braid to body: 1.0 mΩ initial, after environmental N/A
Insulation Resistance: 1,000 MΩ Min.
Insertion Loss: Straight connector: 0.30 dB @ 1.5 GHz
 Right angle connector: 0.60 dB @ 1.5 GHz
RF Leakage: -55 dB Min. @ 2-3 GHz

Mechanical
Mating: Snap-on coupling per MIL-STD-348
Braid/Jacket Cable Affixment: Hex crimp
Center Conductor Cable Affixment: Solder
Engagement Forces: Engagement: 14 lbs maximum
 Disengagement: 2 lbs minimum
Durability: 500 cycles Min.
Temperature Range: -65°C to +165°C

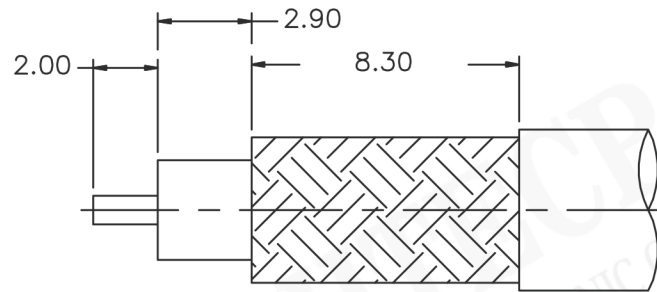
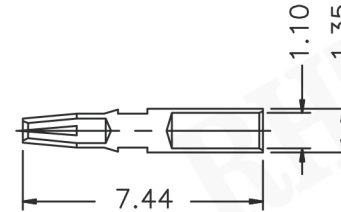
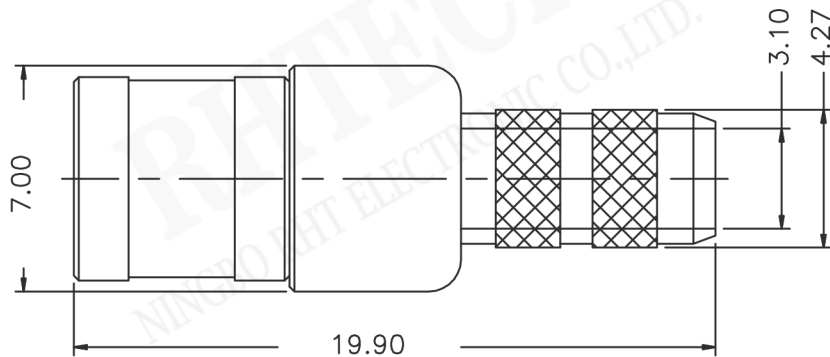
Material
Center Contact:
 Female: beryllium copper, gold-plated
 Male: brass or beryllium copper, gold-plated
Outer Contact Plating: Nickel or gold plating
Body: Brass or zinc
Body Plating: Nickel or gold plating
Insulator: TFE
Crimp Ferrule: Annealed copper alloy
Cable Group: RG-55, RG-142, RG-223, RG-400

ORDER INFORMATION

Product NO.: RE-C-SMB006

Pos. NO. _____

SMB Connector Type _____



RECOMMENDED
CABLE STRIPPING DIM'S

