



## SMB Connector Series

### RE-C-SMB007 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

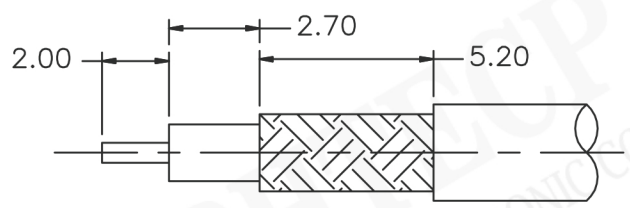
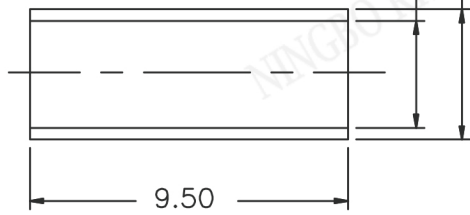
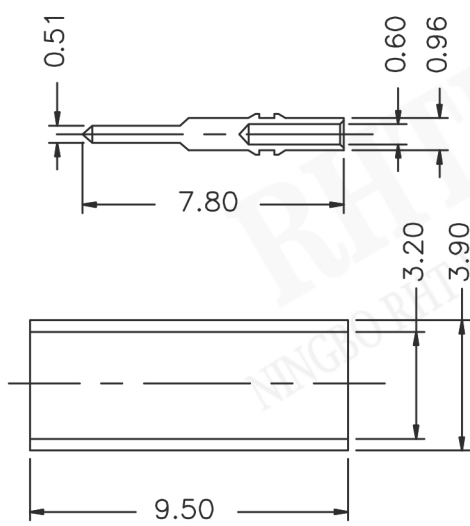
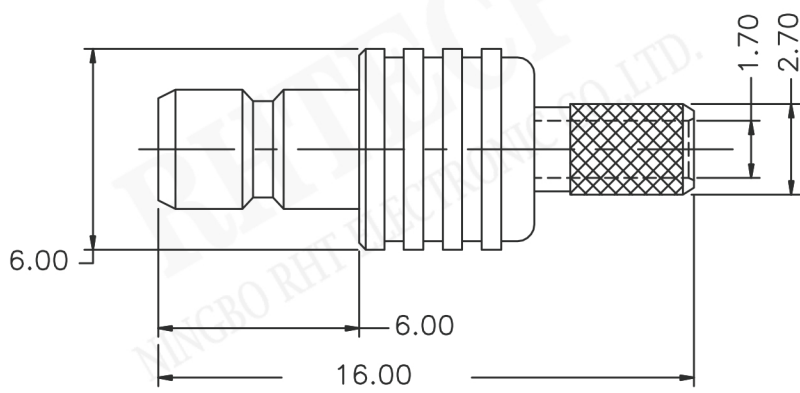
**Mechanical**  
 Mating: Snap-on coupling per MIL-STD-348  
 Braid/Jacket Cable Affixment: Hex crimp  
 Center Conductor Cable Affixment: Solder  
**Engagement Forces:** Engagement: 14 lbs maximum  
                                   Disengagement: 2 lbs minimum  
**Durability:** 500 cycles Min.  
 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-174, RG-188A, RG-316

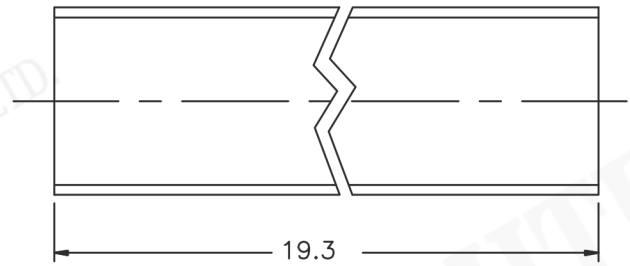
## ORDER INFORMATION

**Product NO.:** RE-C-SMB007

Pos. NO. \_\_\_\_\_  
 SMB Connector Type \_\_\_\_\_



RECOMMENDED  
CABLE STRIPPING DIM'S



UNITS:mm		SHEET SIZE:A4		SCALE: ---	
> 0 ~ 3	> 3 ~ 18	> 18 ~ 50	> 50 ~ 120		
± 0.12	± 0.15	± 0.3	± 0.5		



First angle projection

**CONNECTOR**