



RECOMMENDED  
CABLE STRIPPING DIM'S

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

Electrical Specifications

Impedance: 50Ω

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±0.04f(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: 6.0 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: 0.60dB@1.5GHz

RF Leakage: -55 dB 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: 14 lbs maximum

Disengagement: 2 lbs minimum

Durability: 500 cycles Min.

Temperature Range: -65°C to +165°C



NINGBO RHT ELECTRONIC CO.,LTD

UNITS:mm

SHEET SIZE: A4

SCALE:---

DRWN BY PAN

SMB Connector Series

0~3

3~18

18~50

50~120

CHK'D BY FENG

THIRD ANGLE PROJECTION

±0.12

±0.15

±0.3

±0.5

APPR BY ZHAN



RHTAYMB007