

# 射频连接线

跳线 延长线

BNC-JW  
BNC弯公头



SMA-J  
SMA公头



胜特力电材超市  
0755-83298787

频率: 0-4G

线缆: 镀银RG316 直径: 2.55mm  
长度: 可订做任何长度



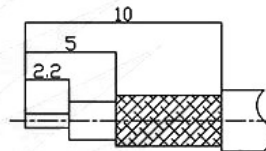
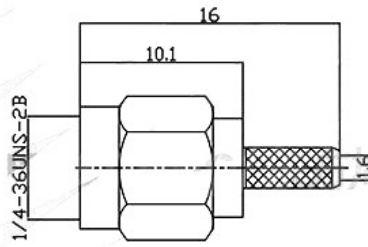
## 产品规格书

PRODUCT SPECIFICATION

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1. Electrical/电气
  - 1.1 Impedance /阻抗 50Ω
  - 1.2 Frequency /频率 DC-6GHz
  - 1.3 VSWR/驻波 ≤1.2
  - 1.4 Dielectric withstanding voltage /介质耐压 1000V(rms)
  - 1.5 Center contact resistance /中心接触电阻 ≤3mΩ
  - 1.6 Outer contact resistance /外部接触电阻 ≤2mΩ
  - 1.7 Insulation resistance /绝缘电阻 ≥5000MΩ
2. Environmental & Mechanical/环境与机械
  - 2.1 Temperature range/温度范围 -45°~+125°
  - 2.2 RoHS Compliant/符合RoHS
  - 2.3 Durability/耐久性 500cycles
3. Material and Plating/材料和电镀
  - 3.1 Inner Contact/内导体: Brass, Gold plated/黄铜镀金
  - 3.2 Outer Contact/外导体: Brass, Gold plated/黄铜镀金
  - 3.3 Insulators/绝缘体: PTFE/聚四氟乙烯

Suitable cables/适配电缆: RG316.RG174



推荐剥线尺寸  
Recommended stripping size

产品型号P/N: SMA-C-J-1.5

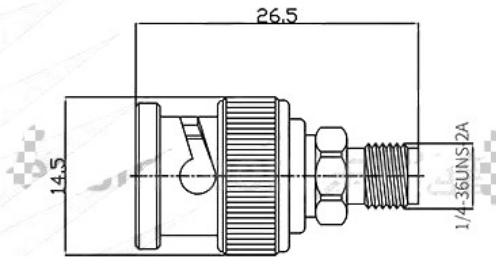
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- |   |            |
|---|------------|
| 1. Electrical/电气                          |            |
| 1.1 Impedance /阻抗                         | 50Ω        |
| 1.2 Frequency /频率                         | DC-4GHz    |
| 1.3 VSWR/驻波                               | ≤1.25      |
| 1.4 Dielectric withstanding voltage /介质耐压 | 1000V(rms) |
| 1.5 Center contact resistance /BNC中心接触电阻  | ≤1.5mΩ     |
| 1.6 Outer contact resistance/BNC外部接触电阻    | ≤1mΩ       |
| 1.7 Center contact resistance /SMA中心接触电阻  | ≤3mΩ       |
| 1.8 Outer contact resistance/SMA外部接触电阻    | ≤2mΩ       |
| 1.9 Insulation resistance/绝缘电阻            | ≥5000MΩ    |

- |                                     |            |
|-------------------------------------|------------|
| 2. Environmental & Mechanical/环境与机械 |            |
| 2.1 Temperature range/温度范围          | -45°~+125° |
| 2.2 RoHS Compliant/符合RoHS           |            |
| 2.3 Durability/耐久性                  | 500cycles  |

- |  |  |
|--|--|
| 3. Material and Plating/材料和电镀                              |  |
| 3.1 Inner Contact/内导体: Phosphorus-Copper Gold Plating/磷铜镀金 |  |
| 3.2 Outer Contact/外导体: Brass, nickel plated/黄铜镀镍           |  |
| 3.3 Outer Contact/外导体: Brass, Gold plated/SMA黄铜镀金          |  |
| 3.4 Insulators/绝缘体: PTFE/聚四氟乙烯                             |  |



产品型号P/N: BNC/SMA-JK

# RG 316



内部导体  
Inner Conductor

绝缘体  
Dielectric

外部导体  
Outer Conductor

护套  
Jacket

## 型号 Model

FEP RG 316

## 描述 Description

(316) 高频同轴电缆 FEP(茶色)护套  
(316) High Frequency coaxial cable with FEP (Brown) jacket

## 结构参数 Structure parameter

|                         |   |           |
|-------------------------|---|-----------|
| 内部导体<br>Inner Conductor | 镀银铜, 镀银铜包钢<br>Silver-Plated Copper, Silver-Plated Copper Clad Steel | 7x0.175mm |
| 绝缘层<br>Insulation Layer | 聚四氟乙烯(PTFE)<br>Polytetrafluoroethylene(PTFE)                        | 1.53mm    |
| 外部导体<br>Outer Conductor | 镀银铜线编织<br>Silver-Plated Copper Wire Braiding                        | 1.95mm    |
| 护套<br>Jacket            | 聚全氟乙丙烯 (FEP), 茶色<br>Fluorinated Ethylene Propylene (FEP), Brown     | 2.50mm    |

## 电气特性 Electrical Data

|  |                      |
|--|----------------------|
| 阻抗<br>Impedance, nominal                 | 50ohms               |
| 电容<br>Capacitance, nominal               | 106pF/m              |
| 延时<br>Signal delay, nominal              | 4.7ns/m              |
| 耐电压<br>Voltage withstand(AC)             | 2000V rms/min        |
| 绝缘电阻<br>Insulation resistance, nominal   | 1500 M $\Omega$ · km |
| 传输速率<br>Velocity of propagation, nominal | 70%                  |

## 机械特性 Mechanical Data

|                                    |       |
|------------------------------------|-------|
| 恒定温度<br>Temperature rating         | 150°C |
| 最小弯曲半径<br>Minimum bending radius   | 15mm  |
| 最大拉伸强度<br>Maximum tensile strength | 3.4kg |
| 重量<br>Weight of cable              | 17g/m |

## 衰减量和功率 Attenuation and Power

| 频率数<br>Frequency(MHz) | 衰减量<br>Attenuation(dB/m) | 功率<br>Power(Watts CW) |
|-----------------------|--------------------------|-----------------------|
| 100                   | 0.29                     | 420                   |
| 400                   | 0.58                     | 210                   |
| 900                   | 0.88                     | 140                   |
| 1000                  | 0.93                     | 135                   |
| 1800                  | 1.27                     | 100                   |
| 2400                  | 1.46                     | 78                    |
| 3000                  | 1.65                     | 72                    |
| 5000                  | 2.14                     | 61                    |
| 6000                  | 2.34                     | 52                    |