

RM086 高频连接線 SMA-J/SMA-KY JK SMA 公轉母 18G

RM086 高频连接线 SMA-JJ SMA 公转公 低驻波 柔性线 18G

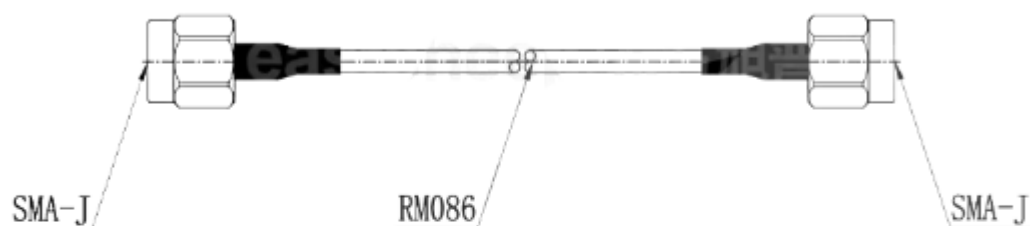


**型号: RM086-SMA-JJ**  
**SMA公头转SMA公头**

DC-18G SWR $\leq$ 1.25 **2**

产品型号 Model: RM086-SMA-JJ

频率 Frequency: DC-18GHz



注:此款连接线/延长线/跳线,均是下单后现加工,无质量问题不支持退换。

Note: This type of connecting cable/extension cable/jumper is processed after placing an order.

If there are no quality issues, it does not support returns or exchanges.

### 产品参数 Product parameters

#### 1.性能指标 Performance index

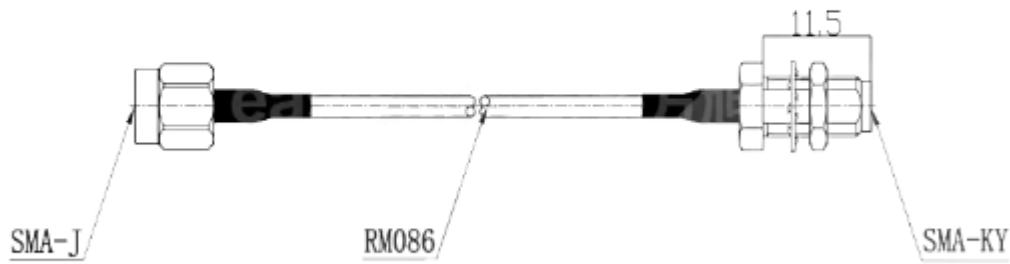
1.1	阻抗 Impedance	50Ω
1.2	频率范围 Frequency range	DC-18GHz
1.3	驻波 VSWR	≤1.25

#### 2.材料和镀层 Material and Plating

2.1	内导体 Inner conductor	黄铜镀金 Brass gold plated
2.2	外导体 Outer conductor	黄铜镀金 Brass gold plated
2.3	温度范围 Temperature range	-45°~+125°

产品型号 Model: RM086-SMA-J/SMA-KY

频率 Frequency: DC-18GHz



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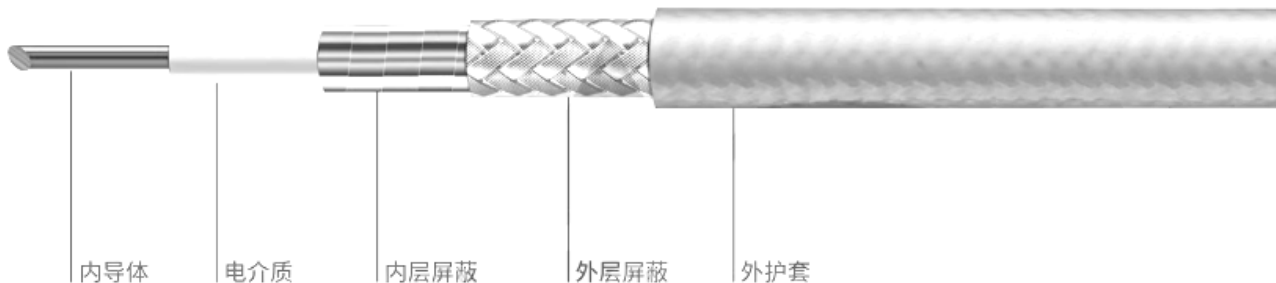
#### 1.性能指标 Performance index

1.1	阻抗 Impedance	50Ω
1.2	频率范围 Frequency range	DC-18GHz
1.3	驻波 VSWR	≤1.3

#### 2.材料和镀层 Material and Plating

2.1	内导体 Inner conductor	黄铜镀金 Brass gold plated
2.2	外导体 Outer conductor	黄铜镀金 Brass gold plated
2.3	温度范围 Temperature range	-45°~+125°

# RM086经济型内部互联电缆



## 结构尺寸 Structure size

	尺寸 (mm)	材料
内导体	0.53	镀银铜
电介质	1.63	PTFE
内层屏蔽	1.83	镀银铜带
外层屏蔽	2.18	镀银铜丝
外护套	2.65	蓝色FEP

## 电气性能 Electrical properties

工作频率:	26.5 GHz
电 容:	95pF/m
特性阻抗:	50 Ω
传播速率:	70%
屏蔽效率:	>90dB
介质耐压:	500V,DC

## 衰减值 (温度为25°C时的典型值) 与传输功率值 (温度为40°C典型值)

频率 MHz	1000	2000	3000	6000	8000	10000	12400	18000	26500
dB/100m	62.8	91.1	113.7	167.7	197.9	225.4	256.0	320.4	407.2
平均功率kw	0.119	0.082	0.066	0.045	0.038	0.033	0.029	0.023	0.018
	K1=1.860236		K2=0.003937			计算公式= $K1*\sqrt{FMHz}+K2*FMHz$			

## 机械与环境性能 Mechanical and environmental performance

静态弯曲半径	动态弯曲半径	重量	工作温度
13.5mm	26.5mm	0.020kg/m	-55°C~+125°C

## 特点和优点 Features and benefits

低驻波比  
高性价比

## 典型应用 Typical applications

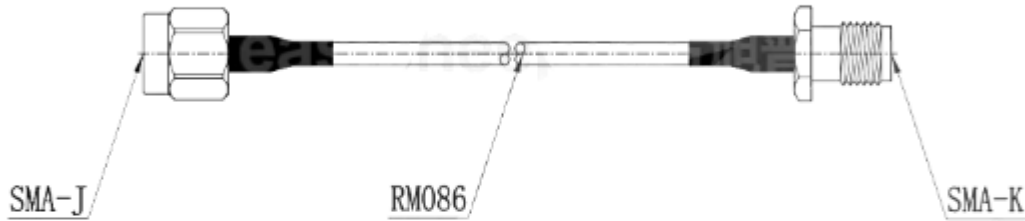
机箱内部、机柜内部链接  
相控阵雷达阵免链接  
模块内部互联  
替代半刚、半柔电缆使用

# 产品规格书

PRODUCT SPECIFICATION

产品型号 Model: RM086-SMA-JK

频率 Frequency: DC-18GHz



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## 产品参数 Product parameters

### 1.性能指标 Performance index

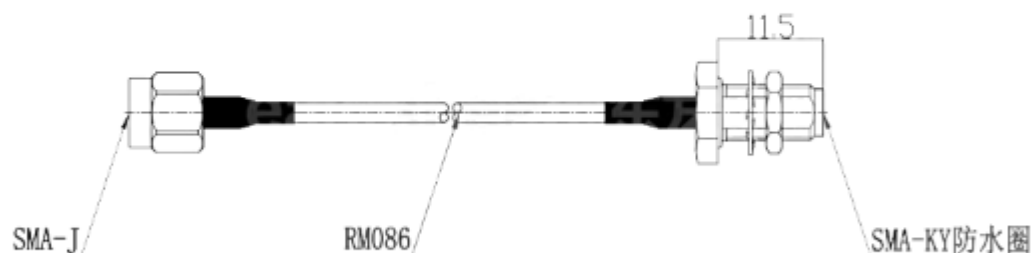
1.1	阻抗 Impedance	50Ω
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### 2.材料和镀层 Material and Plating

2.1	内导体 Inner conductor	黄铜镀金 Brass gold plated
2.2	外导体 Outer conductor	黄铜镀金 Brass gold plated
2.3	温度范围 Temperature range	-45°~+125°

## 产品型号Model: RM086-SMA-J/SMA-KY防水圈

频率Frequency:DC-18GHz



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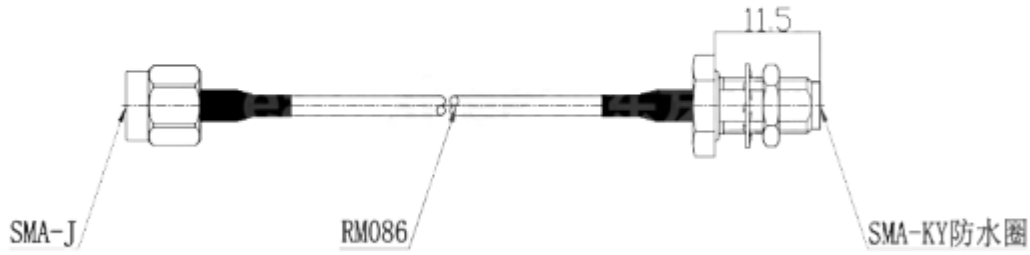
1.1	阻抗 Impedance	50Ω
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## 产品型号Model: RM086-SMA-J/SMA-KY防水圈

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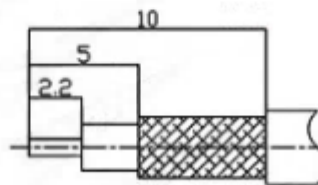
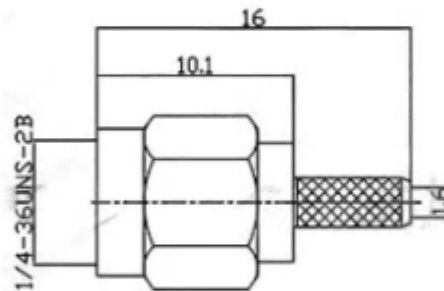
# 产品规格书

## PRODUCT SPECIFICATION

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本文件包含专有信息，不得出于任何目的向他人披露此类信息。  
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未经书面许可，不得用于销售/营销/采购目的。

- |  |            |
|--|------------|
| 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 Environmenta & 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

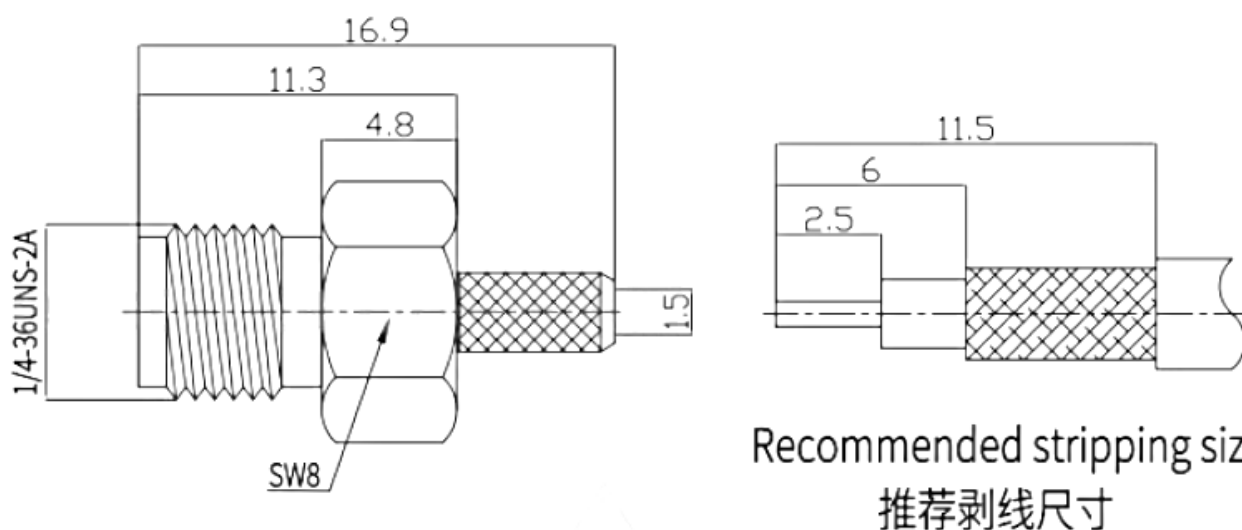


推荐剥线尺寸  
Recommended stripping size

产品型号P/N: SMA-C-J-1.5

## 产品型号 Model: SMA-C-K-1.5

适用电缆 Applicable cables: RG316.RG174



注 Note: 尺寸 Dimensions (mm)

## 产品参数 Product parameters

### 1. 电气 Electrical

1.1	阻抗 Impedance	50Ω
1.2	频率范围 Frequency range	DC-6GHz
1.3	驻波 VSWR	≤1.25
1.4	介质耐压 Dielectric withstanding voltage	1000V rms
1.5	内导体接触电阻 Internal conductor contact resistance	≤3mΩ
1.6	外导体接触电阻 External conductor contact resistance	≤2mΩ
1.7	绝缘电阻 Insulation resistance	≥5000MΩ

### 2. 环境与机械 Environment and Machinery

2.1	温度范围 Temperature range	-45°~+125°
2.2	耐久性 Durability	500cycles

### 3. 材料和镀层 Material and Plating

3.1	内导体 Inner conductor	磷铜镀金 Phosphorus copper gold plating
3.2	外导体 Outer conductor	黄铜镀金 Brass gold plated
3.3	绝缘体 Insulator	聚四氟乙烯 PTFE

