

## 41010400043 KSR240 规格书

41010400043 KSR240 Specification



---

深圳金信诺高新技术股份有限公司

Kingsignal Technologies Co.,Ltd.

版权所有 侵权必究

All rights reserved



## 修订记录

### Document update record

| 日 期<br>Date | 修订人<br>Author | 审核人<br>Author | 版 本<br>Revision | 修订声明<br>Revision declaration |
|-------------|---------------|---------------|-----------------|------------------------------|
| 2019-07-09  | 卢涛 KS90065    | 李敏 KS08229    | V1.0            | First version                |
|             |               |               |                 |                              |
|             |               |               |                 |                              |
|             |               |               |                 |                              |
|             |               |               |                 |                              |
|             |               |               |                 |                              |
|             |               |               |                 |                              |
|             |               |               |                 |                              |



## 目 录

### Contents

|                                                         |   |
|---------------------------------------------------------|---|
| 1 基本要求 Basic Requirement.....                           | 4 |
| 2 外观/结构 Appearance/ Construction .....                  | 4 |
| 3 类型和规格 Type and Spec.....                              | 4 |
| 4 电气性能 Electrical Characteristicsnce.....               | 5 |
| 5 物理、机械性能 Mechanical and Physical Characteristics ..... | 6 |
| 6 产品应用 Application.....                                 | 6 |

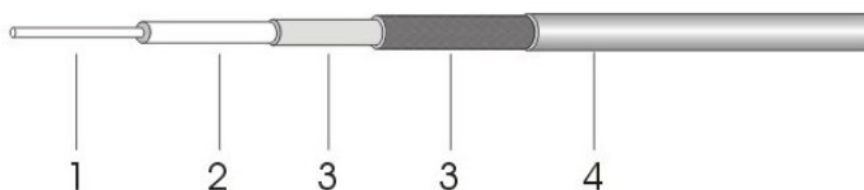


## 1 基本要求 Basic Requirement

|                                       |           |
|---------------------------------------|-----------|
| 工作温度范围 Working temperature range      | -40℃～+85℃ |
| 安装温度范围 Installation temperature range | -70℃～+85℃ |
| 存储温度范围 Storage temperature range      | -40℃～+85℃ |

## 2 外观/结构 Appearance/ Construction

### 2.1 轮廓图 Outline Drawing



## 3 类型和规格 Type and Spec

### 3.1 内导体 Inner Conductor

材料 Material: 裸铜线 Solid bare copper

内导体直径（包含公差） Inner Conductor Diameter (with tolerance): 1.42mm±0.02mm

### 3.2 绝缘体 Insulation

材料 Material: 发泡聚乙烯 Foamed PE

绝缘体直径（包含公差） Insulation Diameter (with tolerance): 3.81mm±0.15mm

### 3.3 外导体 Out Conductor

材料 Material: 自粘铝箔 Bonded Aluminum foil

镀锡铜线编织 Tin plated copper braid

外导体直径 Outer Conductor Diameter: Nom. 4.52mm

### 3.4 外护套 Outer Jacket



材料 Material: 聚乙烯 PE

外护套直径 Outer Jacket Diameter: 6.10mm±0.20mm

外护套颜色 Outer Jacket Color: 黑色 Black

厚度 Thickness: 0.80mm

## 4 电气性能 Electrical Characteristics

### 4.1 电容 Capacitance

Nom.79.4pF/m

### 4.2 特性阻抗 Characteristic Impedance

50Ω±2Ω

### 4.3 传输速率 Velocity

84%

### 4.4 屏蔽衰减 Shielding Effectiveness

>90dB

### 4.5 护套耐压 Jacket spark test voltage

5000VAC

### 4.6 峰值功率 Peak Power

5.6kW

### 4.7 回波损耗 Return Loss

≤-18dB@3M-3000MHz

### 4.8 海平面 20℃下衰减 Attenuation @20℃and Sea Level

| Freq(MHz) | Typical Attenuation<br>(dB/100m) | Max Attenuation<br>(dB/100m) | Avg.Power(KW) |
|-----------|----------------------------------|------------------------------|---------------|
| 150       | 9.9                              | 11.2                         | 0.66          |
| 220       | 12.1                             | 13.7                         | 0.54          |
| 450       | 17.4                             | 19.5                         | 0.38          |
| 900       | 24.9                             | 28.1                         | 0.26          |
| 1500      | 32.5                             | 36.7                         | 0.20          |
| 1800      | 35.8                             | 40.4                         | 0.18          |
| 2000      | 37.7                             | 42.7                         | 0.17          |
| 2500      | 42.3                             | 47.7                         | 0.15          |
| 5800      | 66.9                             | 75.5                         | 0.10          |



## 5 物理、机械性能 Mechanical and Physical Characteristics

### 5.1 最小单次弯曲半径 Min. Single Bending Radius

19.1mm

### 5.2 最小多次弯曲半径 Min. Flexible Bending Radius

63.5mm

### 5.3 环保 ROHS

Yes

## 6.产品应用 Application

通信设备系统 Telecommunications equipment system.