

41010400077 KSR400 规格书

41010400077 KSR400 Specification



深圳金信诺高新技术股份有限公司

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修订记录

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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 标记信息 Marking Information.....	5
5 电气性能 Electrical Characteristics.....	5
6 物理、机械性能 Mechanical and Physical Characteristics.....	6
7.包装存储运输要求 Packaging, Storage, Transportation.....	6
8.产品应用 Application.....	6

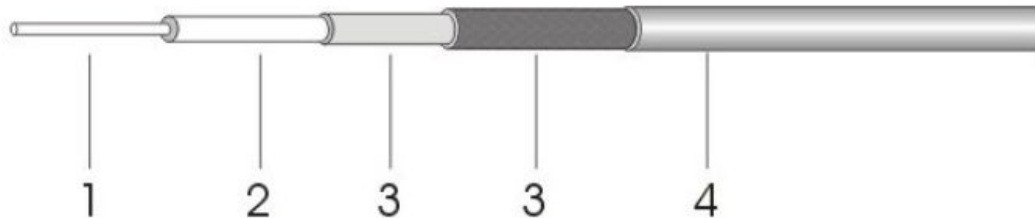


1 基本要求 Basic Requirement

工作温度范围 Working temperature range	-25℃~70℃
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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: 铜包铝线 Copper clad aluminum

内导体直径 (包含公差) Inner Conductor Diameter (with tolerance): 2.74mm±0.025mm

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): 7.24mm±0.13mm

3.3 外导体 Out Conductor

材料 Material: 自粘铝箔 Bonded Aluminum foil

镀锡铜包铝合金线编织 Tin plated copper clad aluminum alloy braid

外导体直径 (包含公差) Outer Conductor Diameter (with tolerance): Nom. 8.13mm

3.4 外护套 Outer Jacket

材料 Material: 聚乙烯 PE

外护套直径 Outer Jacket Diameter: 10.16mm±0.20mm



外护套颜色 Outer Jacket Color: 黑色 Black

厚度 Thickness: 1.02mm

4 电气性能 Electrical Characteristics

4.1 电容 Capacitance

Nom.77pF/m

4.2 特性阻抗 Characteristic Impedance

$50\Omega \pm 2\Omega$

4.3 传输速率 Velocity

85%

4.4 绝缘电阻 Dielectric resistance

5000M Ω .km

4.5 绝缘耐压 Dielectric strength

2.0kV

4.6 护套耐压 Jacket spark test voltage

5.0kV

4.7 驻波比 VSWR

DC-2200MHz ≤ 1.20

2200-2700 MHz ≤ 1.25

3200-3900 MHz ≤ 1.50

4100-5800 MHz ≤ 1.50

4.8 海平面 20°C 下衰减 Attenuation @20°C and Sea Level

Freq(MHz)	Attenuation(dB/100m)
140	6.0
450	10.27
900	14.78
1500	19.40
1800	21.48
2000	22.64
2400	25.92
2500	26.80
3000	28.64



5800	41.80
6000	42.80

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

25.4mm

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

101.6mm

5.3 护套抗拉强度 Jacket Tensile

≥13Mpa

5.4 护套伸长率 Jacket Elongation

500%

5.5 环保 ROHS/REACH

Yes

6. 存储运输要求 Storage, Transportation

6.1 存储温度为 10℃~+35℃，相对湿度≤80%，周围空气中无酸性、碱性等腐蚀性气体。

Temperature 10 °C ~ +35 °C, relative humidity ≤ 80%, the surrounding air without acid, alkaline and other corrosive gases

6.2 运输搬运过程中不要剧烈振动或碰撞。

Don't be violent vibration and impact during transportation or carrying.

7. 产品应用 Application

通信设备系统 Telecommunications equipment system.