

产品技术规范 DATA SHEET V1.0

Low Loss and Phase Stable Flexible Coaxial Cable Series

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|---|-----------------------------|--|-----------------|-----------------------|
| 产品规格 Product Type | | STC-160 | | |
| 结构图 Structure Drawing | |  | | |
| 结构特性 Structure Characteristics | | | | |
| 结构 Structure | 项目 Item | 标准值 Standard Value | | |
| 内导体 Inner Conductor | 材质 Material | 镀银铜线 Silverplated Copper Wire | | |
| | 结构 Construction(mm) | 1/0.91 | | |
| | 标称外径 Nom.Dia(mm) | 0.91±0.02 | | |
| 绝缘层 Insulation | 材质 Material | 低密度聚四氟乙烯 LD-PTFE | | |
| | 标称外径 Nom.Dia(mm) | 2.75±0.05 | | |
| 外导体 Outer Conductor | 材质 Material | 镀银扁铜线 Silverplated Copper Strip | | |
| | 标称外径 Nom.Dia(mm) | 3.00±0.05 | | |
| | 材质 Material | 聚酰亚胺铝箔 PI-Al composite Tape | | |
| | 标称外径 Nom.Dia(mm) | 3.20±0.05 | | |
| | 材质 Material | 镀银铜线 Silverplated Copper Wire | | |
| 标称外径 Nom.Dia(mm) | 3.70±0.1 | | | |
| 护套 Jacket | 材质 Material | 聚全氟乙丙烯 FEP | | |
| | 标称外径 Nom.Dia(mm) | 4.10±0.10 | | |
| 电气性能 Electrical Characteristics | | | | |
| 项目 Item | 标准值 Standard Value | 项目 Item | 频率 Frequency | 标准值 Standard Value |
| 阻抗 Impedanc (Ω) | 50±2 | 衰减 Attenuation@20℃ (dB/m) | 0.5GHz | 0.28 |
| 电容 Capacitance(pF/m) | 88 | | 2.0GHz | 0.57 |
| 速率 Velocity(%) | 77 | | 12.0GHz | 1.48 |
| 最大工作电压 Max.Operating Voltage(V) | 1200 | | 18.0GHz | 1.85 |
| 最大工作频率 Max.Operating Frequency(GHz) | 40 | | 26.0GHz | 2.28 |
| 相位的机械稳定性 Phase Change VS Bending(°/GHz) | ±0.5 | | 40.0GHz | 2.93 |
| 相位随温度变化 Phase Change VS Temperature (PPM@-40~+100℃) | ≤1300 | | | |
| 可靠性 Dependability | | | | |
| 最小弯曲半径(单次)Min.Bending Radius/Single | mm | 25 | | |
| 最小弯曲半径(重复) Min.Bending Radius/Repeated | mm | 60 | | |
| 工作温度范围 Operating Temperature | ℃ | -55-+200 | | |
| 使用提示 Trips for Use | | | | |
| 存储环境 Storage Environment | 温度: 30℃以下, 湿度: 20-65% | | | |
| 同类产品替换 Similar Cable to Replace | | | | |
| 微波通电缆型号 WBT Cable Type | 可替代型号 Replaceable Type | | | |
| STC-160 | HP160S,SFT-142,SF-102,32022 | | | |

