

RFSG-047-25

High performance 25ohm seimi rigid coaxial cable

Ver A/0 Release Date Match, 2015



P/N: 204725

Features&Benefits

- 70%Vp PTFE + Copper tube
- Ultra-low loss, High shield effectiveness
- Equivalent to UT-047-25
- Replace to PE-047-25SR



Construction Specification

| | Description | Size (mm) | Tol. | Materials |
|---|------------------|-----------|-------|---------------------------------|
| 1 | Center conductor | 0.53 | ±0.01 | Silver Plated Copper Clad Steel |
| 2 | Dielectric | 0.92 | ±0.05 | Extruded PTFE |
| 3 | Outer conductor | 1.19 | ±0.05 | Bare Copper Tube |

Mechanical&Environmental Specifications

| | |
|-----------------------------------|----------|
| Bend Radius:installation (mm) | 6 |
| Bend Radius:repeated (mm) | 12 |
| Weight (g/m) | 8.7 max. |
| Temp, Operating&Installation (°C) | -65~165 |
| Temp, Storage (°C) | -65~165 |

RoHS

RoHS Compliant

Electrical Specifications

| | | | |
|-------------------------------|------|-----------------------------|------|
| Characteristic Impedance(ohm) | 25±2 | Time delay | 4.7 |
| Capacitance(pF/m) | 190 | Max Working Power(Vrms) | 1000 |
| Velocity ratio(%) | 70 | Shielding Effectiveness(dB) | >110 |
| Max.operating frequency(GHz) | 20 | | |

Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

| | | | | | | | |
|---------------|-------|-------|-------|-------|-------|--------|--------|
| Frequency MHz | 0.5 | 1000 | 5000 | 10000 | 18000 | 26500 | 40000 |
| dB/100 m | 140.0 | 198.0 | 451.0 | 647.0 | 880.0 | 1080.0 | 1350.0 |
| Avg.Power CW | 0.046 | 0.032 | 0.014 | 0.010 | 0.007 | 0.006 | 0.005 |

Maximum attenuation is 10% higher.

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