

HSR-0865-75-TP**Construction**

| | Material | Diameter (Inch/mm) | |
|-----------------|------------------------------------|--------------------|----------------|
| Inner Conductor | Silver plated copper clad steel | 0.0113+/-0.0005 | 0.287+/-0.0127 |
| Dielectric | PTFE | 0.067+/-0.001 | 1.70+/-0.0254 |
| Outer Conductor | Seamless Tinned Plated Copper Tube | 0.0865+/-0.001 | 2.20+/-0.0254 |

Electrical & Mechanical Characteristics

| | |
|--|-------------|
| Capacitance (pF/m) | 63.5 |
| Impedance (Ω) | 75+/-2 |
| Velocity of Propagation (%) | 70.0 |
| Corona Extinction voltage (VRMS@60Hz) | 1200.0 |
| Voltage withstanding (VRMS@60Hz) | 2500.0 |
| Max Operating Frequency (GHz) | 67.0 |
| Min. Inside Bend Radius (mm) | 7.6 |
| Outer Conductor Integrity Temp ($^{\circ}$ C) | 150.0 |
| Operating Temp Range ($^{\circ}$ C) | -55 to +125 |

Attenuation & Average Power(20 $^{\circ}$ C & Seal Level)

| Frequency(GHz) | Max Attenuation dB/ft. (dB/meter) | Power (Watts CW) |
|----------------|-----------------------------------|------------------|
| 0.5 | 0.15 (0.48) | 143.9 |
| 1.0 | 0.21 (0.68) | 100.8 |
| 5.0 | 0.49 (1.60) | 43.4 |
| 10.0 | 0.71 (2.34) | 29.8 |
| 20.0 | 1.06 (3.48) | 20.3 |

