

**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	0.085+/-0.001	2.16+/-0.0254

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	63.5
Impedance ( $\Omega$ )	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

