

**HSR-0865C-AL-TP-LL****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0226+/-0.0005	0.574+/-0.0127
Dielectric	LD PTFE	0.066+/-0.001	1.68+/-0.0254
Outer Conductor	Tin-Plated Aluminum Tube	0.0865+/-0.001	2.20+/-0.0254

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	88.6
Impedance ( $\Omega$ )	50+/-2
Velocity of Propagation (%)	77.0
Corona Extinction voltage (VRMS@60Hz)	1500.0
Voltage withstanding (VRMS@60Hz)	2500.0
Max Operating Frequency (GHz)	61.0
Min. Inside Bend Radius (mm)	7.6
Outer Conductor Integrity Temp ( $^{\circ}$ C)	/
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	0.13 (0.43)	262.5
1.0	0.19 (0.62)	185.1
5.0	0.43 (1.41)	81.8
10.0	0.62 (2.03)	57.4
20.0	0.89 (2.92)	40.1

