

**HSR-0865C-25-TP****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.036+/-0.0005	0.92+/-0.0127
Dielectric	PTFE	0.066+/-0.001	1.68+/-0.0254
Outer Conductor	Seamless Tinned Plated Copper Tube	0.0865+/-0.001	2.20+/-0.0254

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	190.4
Impedance ( $\Omega$ )	25+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	750.0
Voltage withstanding (VRMS@60Hz)	1000.0
Max Operating Frequency (GHz)	20.0
Min. Inside Bend Radius (mm)	7.6
Outer Conductor Integrity Temp ( $^{\circ}$ C)	175.0
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	0.179 (0.59)	195.0
1.0	0.256 (0.84)	128.0
5.0	0.600 (1.97)	55.6
10.0	0.875 (2.87)	36.5
20.0	1.290 (4.23)	25.3

