



**.086 DIA.  
75 OHM COPPER**

		<b>HCMC PART NUMBERS</b>		
<b>ELECTRICAL DATA</b>	<b>HC 7000B-1</b>	<b>HC 7000B-3</b>		
Impedance (Ohms)	75 +/- 2	75 +/- 2		
Dielectric Strength (KVRMS 60 Hz)	2.0	2.0		
Corona Extinction (KVRMS 60 Hz)	1.2 Min	1.2 Min		
Max Operating Frequency (GHz)	64	64		
MAX ATTENUATION, db/100 FT. AT 20°C AND AVG. PWR., WATTS, UNITY VSWR, 40°C AMB., STILL AIR				
<b>FREQUENCY GHz</b>	<b>ATTEN.</b>	<b>AVG. PWR.</b>	<b>ATTEN.</b>	<b>AVG. PWR.</b>
1.0	20.8	67	20.8	67
10.0	74.3	19.0	74.3	19.0
20.0	105.0	13.0	105.0	13.0
<b>MECHANICAL DATA</b>				
Inner Conductor O.D. (inches)	.0113 +/- .0005	.0113 +/- .0005		
Inner Conductor Material	SPCW	SPCW		
Inner Dielectric Material	PTFE, F1	PTFE, F1		
Dielectric O.D. (inches)	.066 +/- .002	.066 +/- .002		
Outer Conductor O.D. (inches)	.0865 +/- .001	.0865 +/- .002		
Outer Conductor Material	COPPER	COPPER/TIN		
Safe Bend Radius (proper tooling) (inch)	.100	.100		
Max. Weight (lbs./1000 ft.)	15.0	15.5		
Operating Temp. Max. Degrees C	-55 / +200	-55 / +200		