



**.086 DIA.  
50 OHM COPPER**

		<b>HCMC PART NUMBERS</b>		
<b>ELECTRICAL DATA</b>	<b>HC 70000-1</b>	<b>HC 70000-2</b>		
Impedance (Ohms)	50 +/- 1.5	50 +/- 1.5		
Dielectric Strength (KVRMS 60 Hz)	5.0	5.0		
Corona Extinction (KVRMS 60 Hz)	1.5 Min	1.5 Min		
Max Operating Frequency (GHz)	40	40		
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	22	130	22	130
10.0	80	35	80	35
20.0	120	20	120	20
<b>MECHANICAL DATA</b>				
Inner Conductor O.D. (inches)	.0201 +/- .0005	.0201 +/- .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 - .001		
Outer Conductor Material	COPPER	COPPER/SILVER ASTM B700 TYPE 2 GRADE A		
Safe Bend Radius (proper tooling) (inch)	.100	.100		
Max. Weight (lbs./1000 ft.)	15.3	15.8		
Operating Temp. Max. Degrees C	-55 / +125	-55 / +125		