



**.070 DIA.  
25 OHM COPPER**

		<b>HCMC PART NUMBERS</b>		
<b>ELECTRICAL DATA</b>	<b>HC 5000D-1</b>	<b>HC 5000D-3</b>		
Impedance (Ohms)	25 +/- 2	25 +/- 2		
Dielectric Strength (KVRMS 60 Hz)	2.5	2.5		
Corona Extinction (KVRMS 60 Hz)	1.5 Min	1.5 Min		
Max Operating Frequency (GHz)	60	60		
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	31	77	31	77
10.0	104	21	104	21
20.0	145	16	145	16
<b>MECHANICAL DATA</b>				
Inner Conductor O.D. (inches)	.032 +/- .0005	.032 +/- .0005		
Inner Conductor Material	SPCW	SPCW		
Inner Dielectric Material	PTFE, F1	PTFE, F1		
Dielectric O.D. (inches)	.058 +/- .001	.058 +/- .001		
Outer Conductor O.D. (inches)	.070 +/- .001	.070 +.002 -.001		
Outer Conductor Material	COPPER	COPPER/TIN		
Safe Bend Radius (proper tooling) (inch)	.100	.100		
Max. Weight (lbs./1000 ft.)	10.0	10.3		
Operating Temp. Max. Degrees C	-40 / +125	-40 / +125		