SFT Specifications

	SFT-393			SFT-226			SFT-600		
Physical & Mechanical Specifications									
Dimensions	inches		mm	inches		mm	inches		mm
Center Conductor	0.096		2.440	0.131		3.330	0.163		4.140
Dielectric	0.285		7.240	0.370		9.400	0.455		11.560
Inner Shield	0.295		7.490	0.380		9.650	0.465		11.810
Interlayer	0.300		7.620	0.385		9.780	0.470		11.940
Outer Shield	0.319		8.100	0.399		10.140	0.499		12.670
Jacket	0.390		9.910	0.485		12.320	0.565		14.350
Bend Radius: Minimun	2.000		50.800	2.500		63.500	3.000		76.200
Weight	0.126 lbs/ft		0.19 kG/m	0.235 lbs/ft		0.35 kG/m	0.265lbs/ft		0.39kG/m
Temperature Range	-67°/+392°F (-55°/+200°C)								
Electrical Specifications									
Impedance	50 ohms			50 ohms			50 ohms		
Velocity of Propagation	76%			76%			76%		
Dielectric Constant	1.73			1.73			1.73		
Shielding Effectivess	>100 dB			>100 dB			>100 dB		
Time Delay	1.34 nS/ft		4.39 nS/m	1.34 nS/ft		4.39 nS/m	1.34 nS/ft		4.39 nS/m
Capacitance	26.7 pF/ft		87.7 pF/m	26.7 pF/ft		87.7 pF/m	26.7 pF/ft		87.7 pF/m
Inductance	0.067 uH/ft		0.22 uH/m	0.067 uH/ft		0.22 uH/m	0.067 uH/ft		0.22 uH/m
Cutoff Frequency	15 GHz			11 GHz			9.2 GHz		
Voltage Constant	2500 DC			3000 DC			4000 DC		
DC Resistance - ohms	ohms/1000ft		(ohms/km)	ohms/1000ft		(ohms/km)	ohms/1000ft		(ohms/km)
Inner Conductor	1.13		3.7	0.63		2.1	0.52		1.7
Outer Conductor	1.3		4.3	1.04		3.4	0.8		2.6
Attenuation & Power Handling	Attenuation (+25°C Ambient & Power Handling (+40°C Ambient; Sea Level; VSWR 1:1)								
Frequency (MHz)	dB/100ft	dB/100m	kW	dB/100ft	dB/100m	kW	dB/100ft	dB/100m	kW
13.56	0.5	1.7	16.417	0.5	1.5	20.571	0.4	1.2	26.138
30	0.7	2.5	11.007	0.7	2.2	13.788	0.6	1.8	17.512
100	1.4	4.5	5.987	1.2	4.1	7.496	1.0	3.4	9.509
150	1.7	5.6	4.871	1.5	5.0	6.097	1.3	4.2	7.731
400	2.8	9.2	2.948	2.5	8.2	3.686	2.1	6.9	4.665
900	4.2	13.9	1.936	3.8	12.5	2.418	3.2	10.5	3.052
1000	4.5	14.7	1.832	4.0	13.2	2.288	3.4	11.1	2.887
1500	5.5	18.2	1.480	5.0	16.4	1.846	4.2	13.8	2.326
2000	6.4	21.1	1.270	5.8	19.1	1.584	4.9	16.1	1.992
3000	8.0	26.2	1.022	7.2	23.7	1.272	6.1	16.1	1.597
4000	9.3	30.6	0.874	8.4	27.6	1.087	7.1	16.1	1.362
5000	10.5	34.5	0.773	9.5	31.2	0.961	8.1	16.1	1.202
6000	11.6	38.1	0.698	10.5	34.5	0.868	8.9	16.1	1.084
8000	13.6	44.6	0.594	12.3	40.5	0.738	10.5	16.1	0.919
10000	15.4	50.5	0.524	14.0	45.9	0.649			
12000	17.1	55.9	0.471						
13500	18.2	59.8	0.440						
15000	19.3	63.5	0.414						
18000									
24000									
28000									
35000									
63000									
Attenuation at Frequency (A=K1 FMHz + K2 FMHz)									
K1	0.135930			0.121830			0.101373		
K2	0.000180			0.000180			0.000180		