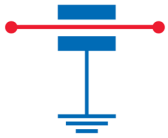
Introduction to Filter Connectors
Insertion Loss and Capacitance Values

C



INSERTION LOSS											
Insertion Loss, dB Minimum, 25°C											
Frequency	X	Y	Z	A	B	C	D	E	F	G	J
1 MHz	22	16	13	6	5	3	---	---	---	---	---
10 MHz	41	36	33	24	23	16	8	4	---	---	---
100 MHz	56	53	52	41	39	35	28	21	10	5	1
500-1000 MHz	60	57	57	50	49	46	41	34	23	17	8

CAPACITANCE	
Class	C - Circuit (pF)
X*	80,000 - 120,000
Y*	40,000 - 60,000
Z*	30,000 - 45,000
A	19,000 - 28,000
B	16,000 - 22,500
C	9,000 - 16,500
D	4,000 - 6,000
E	1,650 - 2,500
F	400 - 650
G	200 - 300
J	35-60
* Filter Classes X, Y and Z are 250 VDC. All others are 500 VDC	

Pi

INSERTION LOSS											
Insertion Loss, dB Minimum, 25°C											
Frequency	X	Y	Z	A	B	C	D	E	F	G	J
1 MHz	23	19	17	10	8	5	1	---	---	---	---
10 MHz	70	55	52	40	35	25	14	8	2	0.8	---
100 MHz	75+	75+	75+	62	60	57	50	40	15	13	4
500-1000 MHz	75+	75+	75+	66	62	60	58	52	32	22	15

CAPACITANCE	
Class	Pi - Circuit (pF)
X*	160,000 - 240,000
Y*	80,000 - 120,000
Z*	60,000 - 90,000
A	38,000 - 56,000
B	32,000 - 45,000
C	18,000 - 33,000
D	8,000 - 12,000
E	3,300 - 5,000
F	800 - 1,300
G	400 - 600
J	70-120
* Filter Classes X, Y and Z are 250 VDC. All others are 500 VDC	

Notes

Standard voltage rating is 500 VDC DWV.
Insertion loss values quoted are for 50Ω impedance and no load condition.
Classes X, Y and Z are 250 VDC DWV. Consult factory for additional information.
Some shell configurations may require extra length for classes X, Y and Z.
Other configurations available. Consult factory.

Appendix

Dimensions in inches (millimeters) and are subject to change without notice.