

# Series 700 High Performance Filtered Connectors

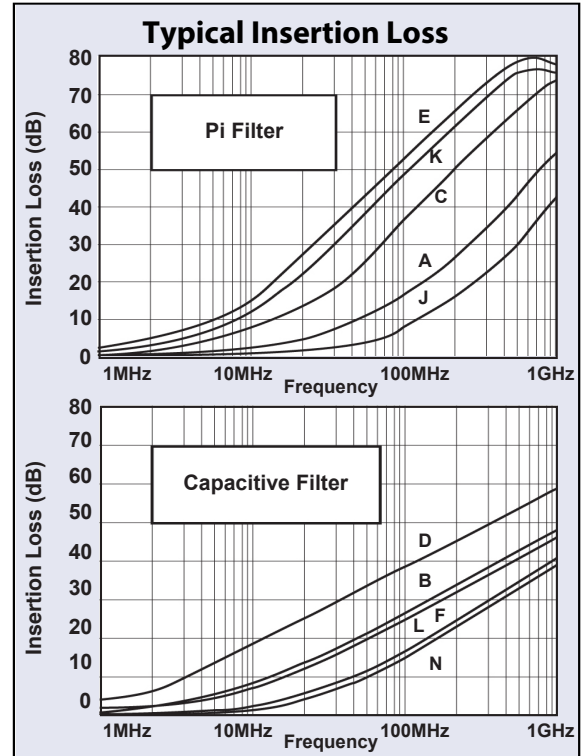
## Filter Selection

APITech's Series 700 connectors offer the highest performance filtering for all types of professional applications.

## Features

- Available in 9, 15, 25, 37, and 50 shell sizes
- Variety of termination configurations including right angle and straight PCB for both pin and socket contact and as an adapter
- Capacitive and Pi type filters in a full range of capacitance values

The catalog data for this series is presented in order of shell size, and grouped by pin and socket contacts. Part numbers must be selected from the tables within the series section.



Insertion loss measured per MIL-STD-220, no load, 50ohm source and load.

## Electrical Specifications: High Performance Connectors

Filter Designations	Filter Circuits	Capacitance		3 dB Cut-off Frequency Max. (MHz)	Dielectric With-Standing Voltage	Working Voltage DC -55°C to +125°C	Minimum Insertion Loss - Decibels (dB)							
		Value	Tol.				5 MHz	10 MHz	20 MHz	50 MHz	100 MHz	200 MHz	500 MHz	1 GHz
J	Pi	100 pF	+100 -0%	32	300V	100V	—	—	—	2	5	8	16	33
A		310 pF	±25%	15.9	300V	100V	—	—	2	6	10	17	33	50
C		1000 pF	+150 -0%	3.2	300V	100V	—	3	8	17	27	39	58	70
K		2500 pF	+100 -0%	1.3	150V	50V	6	10	15	30	42	55	70	70
E		4000 pF	+100 -0%	0.8	150V	50V	8	13	20	37	50	64	70	70
N	C	375 pF	±25%	13.7	600V	200V	—	—	2	7	12	18	26	32
L		500 pF	±25%	10.2	600V	200V	—	—	3	9	14	20	28	34
F		830 pF	±25%	6.1	600V	200V	—	3	7	13	18	24	32	38
B		1000 pF	+100 -0%	3.2	600V	200V	—	4	9	16	22	28	36	42
D		5000 pF	+100 -0%	0.64	300V	100V	10	16	22	30	35	41	50	56

Filter designation "G" for grounded contacts, "I" for insulated (not filtered) contacts. Above data represents guaranteed minimum.  
 Filter designation "O" for omitted contact and no hole in ground plane.