

Introduction to Filter Connectors

Application Checklist



Specification Reference:

- ☐ MIL-DTL-38999 ☐ Ser. 79 Micro-Crimp
- ☐ MIL-DTL-5015 ☐ Ser. 80 Mighty Mouse
- ☐ MIL-C-26482 ☐ MIL-C-28840
- ☐ MIL-DTL-83723 ☐ MIL-DTL-24308
- ☐ MIL-DTL-83513 ☐ ARINC 600
- ☐ PowerTrip

Series and/or Slash Sheet:

Shell Style:

- ☐ Jam-Nut Receptacle ☐ Plug
- ☐ Flange Mount Receptacle
- ☐ Dual Flange PCB Receptacle
- ☐ Solder Mount Receptacle
- ☐ Connector Adapter (Sav-Con®)

Shell Size/Arrangement:

Pin Count:

Contact Gender:

- ☐ Pin
- ☐ Socket

Hermetic:

- ☐ Yes
- ☐ No

Shell Rotation Position:

Shell Material and Finish:

Termination (PC Tail, Solder Cup, Piggyback Crimp, etc.):

Temperature Tolerance:

Operating: - ____°C to + ____°C
Storage: - ____°C to + ____°C

Operating Frequency Range of Effected Equipment:

Filter Capacitance:

PIN POSITION (Or Group of Pins)	FILTER VALUE* [pF] ± 20%
1	
2	
3	
4	

*1KHz, 25°C

Desired Filter Circuit Type:

- ☐ C Filter ☐ C-L Filter
- ☐ L-C Filter ☐ Pi Filter

Labeling and Marking Instructions:

Insertion Loss:

	FREQUENCY [MHz]	ATTENUATION [dB]
GROUP 1		
GROUP 2		
GROUP 3		
GROUP 4		

IR:

____ Volts

DWV:

____ Volts

Capacitor Array Code:

Table II: Capacitor Array Code Capacitance Range		
Class	Pi - Circuit (pF)	C - Circuit (pF)
X*	160,000 - 240,000	80,000 - 120,000
Y*	80,000 - 120,000	40,000 - 60,000
Z*	60,000 - 90,000	30,000 - 45,000
A	38,000 - 56,000	19,000 - 28,000
B	32,000 - 45,000	16,000 - 22,500
C	18,000 - 33,000	9,000 - 16,500
D	8,000 - 12,000	4,000 - 6,000
E	3,300 - 5,000	1,650 - 2,500
F	800 - 1,300	400 - 650
G	400 - 600	200 - 300
J	70-120	35-60

* Filter Classes X, Y and Z are 250 VDC.
All others are 500 VDC

Note: For any capacitor array code listed, we can accommodate both C circuit and Pi circuit capacitance values.

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