

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

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:

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 - 91,000	30,000 - 45,500
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 - 600
G	400 - 600	200 - 300

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

