

Circular Filtered Connectors Check List

Basically, the easiest way to define Filter Connector is to follow the HTO (How To Order) pages. However, additional information of the specific connector/system application could be helpful for our engineers to either support your request or recommend for "of the shelf" product and/or customized solution.

The next form will help you to describe properly your needs; mechanically, environmentally, electrically, the predicted or already measured interferences and, thus, will give us the tools to learn, check and response to your request correctly. In case that additional information is available, please feel free to share it with us.

This form is also available on our website: <http://www.rfimmunity.com>

1. General Description

R.F. Immunity P/N (based on HTO): _____

Cross Reference Connector P/N
or Filter Connector P/N (if exists): _____

2. Connector Description

Family:	<input type="checkbox"/> MIL-C-38999 <input type="checkbox"/> MIL-C-26482 <input type="checkbox"/> MIL-C-83723 <input type="checkbox"/> Other:
Series:	<input type="checkbox"/> Series I <input type="checkbox"/> Series II <input type="checkbox"/> Series III <input type="checkbox"/> Other:
Shell Style:	<input type="checkbox"/> Jum Nut Receptacle <input type="checkbox"/> Plug <input type="checkbox"/> Wall Mount Receptacle <input type="checkbox"/> Rear Wall Mount Receptacle <input type="checkbox"/> Box Mount Receptacle <input type="checkbox"/> Rear Box Mount Receptacle <input type="checkbox"/> Other:
Material & Finish:	<input type="checkbox"/> Aluminum Alloy, Electroless Nickel Plating <input type="checkbox"/> Aluminum Alloy, Olive Drab Cadmium Plating <input type="checkbox"/> Aluminum Alloy, Zinc Cobalt Plating <input type="checkbox"/> Stainless steel, Passivated, Corrosion Resistant, Without Firewall Capability <input type="checkbox"/> Other:
Shell Size:	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> E <input type="checkbox"/> F <input type="checkbox"/> G <input type="checkbox"/> H <input type="checkbox"/> J <input type="checkbox"/> Other:
Insert Arrangement: (Two Digits)	(Please use our lists for each family or consult us for other arrangements)
Contact Type: (Gender)	<input type="checkbox"/> Pin <input type="checkbox"/> Socket <input type="checkbox"/> Other:
	(Please mention wherever Coaxial, Twinax or Optical contact are in use)
Termination:	<input type="checkbox"/> Solder Cup <input type="checkbox"/> Crimp (requires extended shell) <input type="checkbox"/> PCB Tail (Tin Plated) <input type="checkbox"/> PCB Tail (Gold Plated) <input type="checkbox"/> Long PCB Tail (Tin Plated) <input type="checkbox"/> Long PCB Tail (Gold Plated) <input type="checkbox"/> Other:
Polarization:	<input type="checkbox"/> N <input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D
Sealing:	<input type="checkbox"/> Standard (Up to 10 ⁻³ cc/s @ ΔP=1atm) <input type="checkbox"/> Hermetic (Up to 10 ⁻⁵ cc/s @ ΔP=1atm)
Potting:	<input type="checkbox"/> Covered Teeth by Epoxy Cast (default) <input type="checkbox"/> Exposed Teeth (only if required) <input type="checkbox"/> Other:

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3. Electrical Characteristics for Homogeneous Filtered and/or Protected Connector

Working Voltage [V _{DC}]:	<input type="checkbox"/> 6.3-50 <input type="checkbox"/> 100 <input type="checkbox"/> 200 <input type="checkbox"/> 500 <input type="checkbox"/> 1000 <input type="checkbox"/> 2000 <input type="checkbox"/> 3000
Filter Type:	<input type="checkbox"/> C <input type="checkbox"/> C ² <input type="checkbox"/> L <input type="checkbox"/> L & J <input type="checkbox"/> T <input type="checkbox"/> Pi (π) <input type="checkbox"/> Hi (2Xπ)
Capacitance:	
Energy [Joule]:	<input type="checkbox"/> 0.1 <input type="checkbox"/> 0.3 <input type="checkbox"/> Other:

4. Electrical Characteristics for Special Filter (Please write contacts numbers separated by commas, for example: 1-4, 7-10)

Contacts Number:									1-4, 7-10
Signal Description:									RS-422
Operation Frequency [Hz]:									200kHz
Current Rating [A]:									2A
Working Voltage [V _{DC} / V _{AC}]:									±15V _{DC}
Filter Type:									C
Capacitance:									470pF
Energy [Joule]:									0.1J

5. Predicted or Measured Interference Level

Interference Level [dB] per Frequency [Hz]:	[dB] @	[kHz]	[dB] @	[kHz]
	[dB] @	[MHz]	[dB] @	[MHz]

6. EMC Standards & Requirements

	(Please specify in particular Conducted Susceptibility and Transients Requirements)

7. Additional Information

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