Custom EMI Filtered Circular Connectors
Product Request Sheet

Filter Parameters

- Type: PI / FT / Other _____
- Capacitance (Lines) _____
- Capacitance (Lines) _____
- Capacitance (Lines) _____
- Ground Contacts (Lines) _____
- Insulated Contacts (Lines) _____
- Desired Insertion Loss (if known):

Frequency (MHz)	Insertion Loss (dB)

Electrical Parameters

- Working Voltage (VDC or VAC + Frequency) _____
- Dielectric Withstand Voltage (VDC) _____
- Special Requirements (Lightning Strike, Burn-In, etc.) _____

Mechanical Parameters

- MIL-Spec Part # _____

OR

- Shell Size _____
- Shell Material _____
- Shell Finish _____
- Mounting Style _____
- Insert Arrangement _____
- Contact Gender _____
- Keyway Polarization _____

AND

- Shell Size _____
- Shell Material _____

Customer Information

Customer Name _____
Program/Application _____
Forecast _____

Requested By _____
Comments _____
_____

SPECTRUM CONTROL

Custom EMI Filtered Circular Connectors

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Producibility Notes

- **Capacitance:** up to 200nF in most configurations
- **Working Voltage:** up to 200VDC / 125VAC standard
- **Dielectric Withstanding Voltage:** up to 500VDC standard
- **Circuit:**
  - Feed-thru (Baseline)
  - Pi ($)
- **Ratio of capacitance between lowest line and highest line:**
  - 10:1 (Baseline)
  - > 10:1 ($$, Feasibility Check)
- **Capacitor Tolerances:**
  - P → +100/-0% (Baseline)
  - M → +/- 20% ($)
  - K → +/- 10% ($$)
- **Base Material/Sealing:**
  - Aluminum, Environmental (Baseline)
  - Stainless, Environmental ($)
  - Stainless, Hermetic ($$)
- **Finish:**
  - Nickel (Baseline)
  - Olive Drab Cadmium ($)
  - Black Zinc Nickel ($$)
  - Nickel-PTFE ($$)
- **Terminations:**
  - PC-Tail (Baseline)
  - Solder Cup ($)
  - Crimp Removable Terminations ($$$ + Size ↑)
- **Lightning Strike:**
  - None (Baseline)
  - L3 ($)
  - L4 ($$)
- **Testing Drivers**
  - Cap, DF, DWV, IR (Baseline)
  - Thermal Shock ($)
  - Burn-in ($$)
  - Sample Insertion Loss ($$)
  - Full Insertion Loss ($$$ + LT ↑)

Key	
$	Some added cost
$$	Moderate added cost
$$$	Significant added cost

****Contact Spectrum Control for additional capability review.**