



**SPECTRUM CONTROL INC.**  
A Control Products and Systems Company

## Filtered Connectors

Spectrum Control designs and manufactures control products and systems used to condition, regulate, and govern electronic performance. We offer a complete family of filtered connectors to meet your performance and cost needs.



### Features ▶

- D-subminiature connectors
- All shell sizes (9, 15, 25, 37, and 50)
- Many termination types (PC mount, wire wrap, solder cup, and 90° PCB)
- In-house ceramic tube design for high performance filtering
- Numerous mounting/hardware options: grounded board locks, locking inserts, jack screws, 4-40 or M3 threads, and more

### Benefits ▶

- Excellent filtering
- Design flexibility
- Reliability: 100 percent testing of critical electrical parameters
- Numerous filtering options: combined types, selective loading
- FED/MIL approvals

### Applications ▶

- UAV equipment
- Automated manufacturing equipment
- Battlefield simulators
- Secure communications
- Medical equipment (test and measurement)
- Industrial process equipment

### Product Specifications ▶

Product Series	Description	Performance	Capacitance Range	DWV	Rated Current (A)	Temperature Rating (°C)
Series 100 chip filter design	Low-cost capacitive filtering	Mid-level performance	To 47 nF	300 VDC	5	-40 to +125
Series 500 tubular FT	Economical, high performance filtering using tubular capacitors	High performance	To 2,500 pF	300 VDC	5	-40 to +125
Series 600	Highest level of EMI filtering in high density version	Superior IL performance	To 5,000 pF FT and 4,000 pF PI	1,000 VDC	5	-55 to +125
Series 700 FT and PI	Highest level of EMI filtering with feed-thru caps and PI filters	Superior IL performance	To 5,000 pF FT and 4,000 pF PI	1,000 VDC	5	-55 to +125
Combo D-subminiature	Effective power and coax line filtering in various configurations	High insertion loss with tubular or ceramic chip capacitive filtering	4,000 pF FT	600 VDC	40 Power/5 Signal	-55 to +125