

# SuperNine® EMI/RFI filter

## MIL-DTL-38999 Series III Type connectors

### Summary of material and panel cut-outs



FILTERED CONNECTORS

#### SUMMARY OF MATERIALS AND SPECIFICATIONS (see performance spec for complete information)

**Notes**

- Insert arrangement in accordance with MIL-STD-1560. Arrangement shown for reference only.
- EMI circular filter receptacle connectors designed to meet requirements of MIL-STD-2120 and MIL-DTL-38999, Series III.
- All contacts to have identical filter value. Other filter arrangements available, contact factory.
- Other filter styles (C-L, L-C, Unbalanced Pi, Multi-Stage, Multi-Value) are available, please consult the factory.

**Electrical Ratings:**

- DWV- 500 VDC
- Standard operating voltage 200 VDC (Filter class X, Y and Z are 250 VDC)

**Insulation Resistance:**

- 5000 MegOhms Min. at 200 VDC.

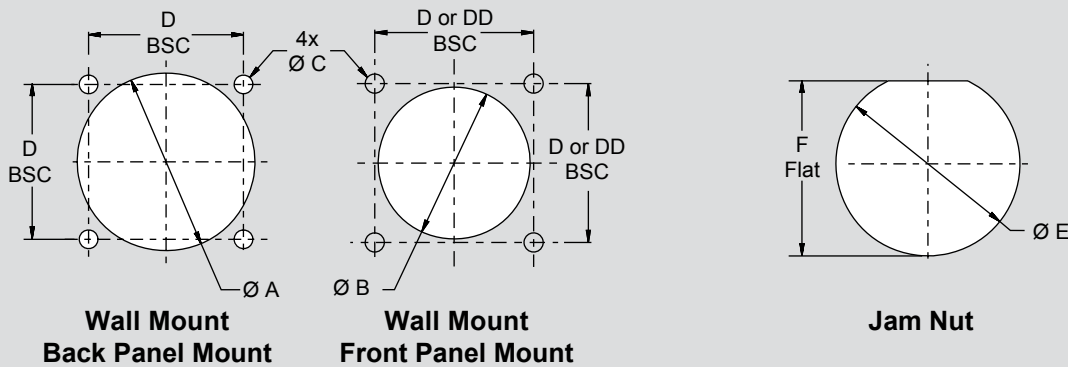
**Operating Temperature:**

- -55°C to +125°C

**Materials/Finishes:**

- Shells, barrel, coupling nut, jam nut: see connector class
- Insulators: high grade rigid dielectric/ N.A.
- Seals: fluorosilicone
- Contacts: copper alloy 50µ" gold over 50µ" Nickel

#### PANEL CUT-OUT DIMENSIONS



Square Flange Panel Cut-Outs MIL-DTL-38999 Series III					
Shell Size	Ø A Min Back Panel	Ø B Min Front Panel	Ø C Holes	D BSC	DD BSC
9	.656 (16.7)	.516 (13.1)	.133 (3.4) .123 (3.1)	.719 (18.3)	.594 (15.09)
11	.796 (20.2)	.625 (15.9)		.812 (20.6)	.719 (18.3)
13	.922 (23.4)	.750 (19.1)		.906 (23.0)	.812 (20.6)
15	1.047 (26.6)	.906 (23.0)		.969 (24.6)	.906 (23.0)
17	1.219 (31.0)	1.016 (25.8)		1.062 (27.0)	.969 (24.6)
19	1.297 (32.9)	1.141 (29.0)		1.156 (29.4)	1.062 (27.0)
21	1.422 (36.1)	1.266 (32.2)		1.250 (31.8)	1.156 (29.4)
23	1.547 (39.3)	1.375 (34.9)	.159 (4.0) .149 (3.8)	1.375 (34.9)	1.250 (31.8)
25	1.672 (42.5)	1.484 (37.7)	.155 (3.9) .145 (3.7)	1.500 (38.1)	1.375 (34.9)

Jam Nut Panel Cut-Out MIL-DTL-38999 Series III		
Shell Size	Ø E	F Flat
9	.710 (18.0)	.670 (17.0)
	.700 (17.8)	.660 (16.8)
11	.835 (21.2)	.771 (19.6)
	.825 (21.0)	.761 (19.3)
13	1.020 (25.9)	.955 (24.3)
	1.010 (25.7)	.945 (24.0)
15	1.145 (29.1)	1.085 (27.6)
	1.135 (28.8)	1.075 (27.3)
17	1.270 (32.3)	1.210 (30.7)
	1.260 (32.0)	1.200 (30.5)
19	1.395 (35.4)	1.335 (33.9)
	1.385 (35.2)	1.325 (33.7)
21	1.520 (38.6)	1.460 (37.1)
	1.510 (38.4)	1.450 (36.8)
23	1.645 (41.8)	1.585 (40.3)
	1.635 (41.5)	1.575 (40.0)
25	1.770 (45.0)	1.710 (43.4)
	1.760 (44.7)	1.700 (43.2)