


Features:

- Compact design and Very easy to Install
- No. of Lines can be made as per customer requirements
- Models with various Voltages, Currents and pairs available

Applications:

- Electrical/Electronic Equipment
- Shielded Rooms
- Low Power Source

Performance Indicator:

Standard	High	Very High

DATASHEET

DC CONTROL LINE HEMP FILTER – CMF94F

DC Control Line HEMP Filters are designed to meet all the requirements of MIL-STD-188-125-1&2 and MIL-F-15733. The Filter is classified under unrestricted lines of Intrasite of MILSTD-188-125-1&2 and Tested for same. The residual current observed is less than 100mA, which is well within the MIL STD requirement also meets or exceeds the insertion loss requirements throughout the frequency

Technical Specifications:

Operating Voltage	: 48VDC
Current Rating	: 6A
Test Voltage	: 300VDC (Before connecting surge suppressor)
Insulation Resistance	: >100MΩ (Without Discharge Resistors)
Insertion Loss	: 100dB from 150KHz to 10GHz
Operating Temperature Range	: -40°C to +50°C
Storage Temperature Range	: -40°C to +85°C
Max. Surge current	: 6.5kA@8/20μs

Design Corresponding to

: MIL-STD-188-125-1&2, IEC61000-6-2, MIL-F-15733

Enclosure Material

: CRCA with Plating

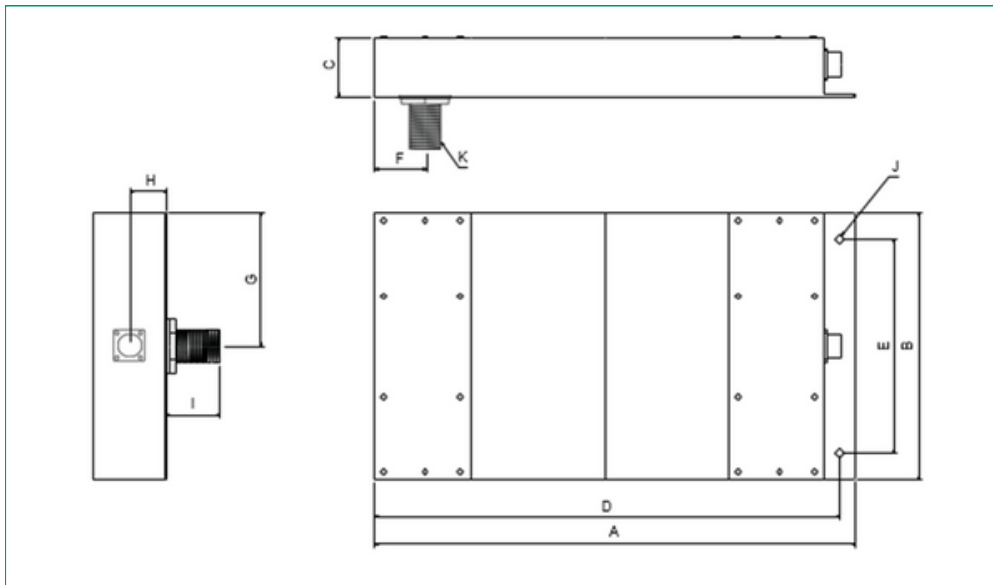
Finish

: Paint / Powder Coating

Ordering Information:

Model Number	Number of Lines	Part Number	Termination		Min. Weight (Kgs)
			Input	Output	
CMF94F-2-6	2	E111615-1	MIL Connector	Shielded Cable through Threaded Pipe	6
CMF94F-4-6	4	E111616-1	MIL Connector	Shielded Cable through Threaded Pipe	7
CMF94F-5-6	6	E111617-1	MIL Connector	Shielded Cable through Threaded Pipe	9
CMF94F-6-6	8	E111618-1	MIL Connector	Shielded Cable through Threaded Pipe	11
CMF94F-7-6	12	E112718-1	MIL Connector	Shielded Cable through Threaded Pipe	14
CMF94F-8-6	16	E112719-1	MIL Connector	Shielded Cable through Threaded Pipe	16
CMF94F-9-6	24	E112720-1	MIL Connector	Shielded Cable through Threaded Pipe	19
CMF94F-10-6	32	E112721-1	MIL Connector	Shielded Cable through Threaded Pipe	22

Mechanical Drawing:

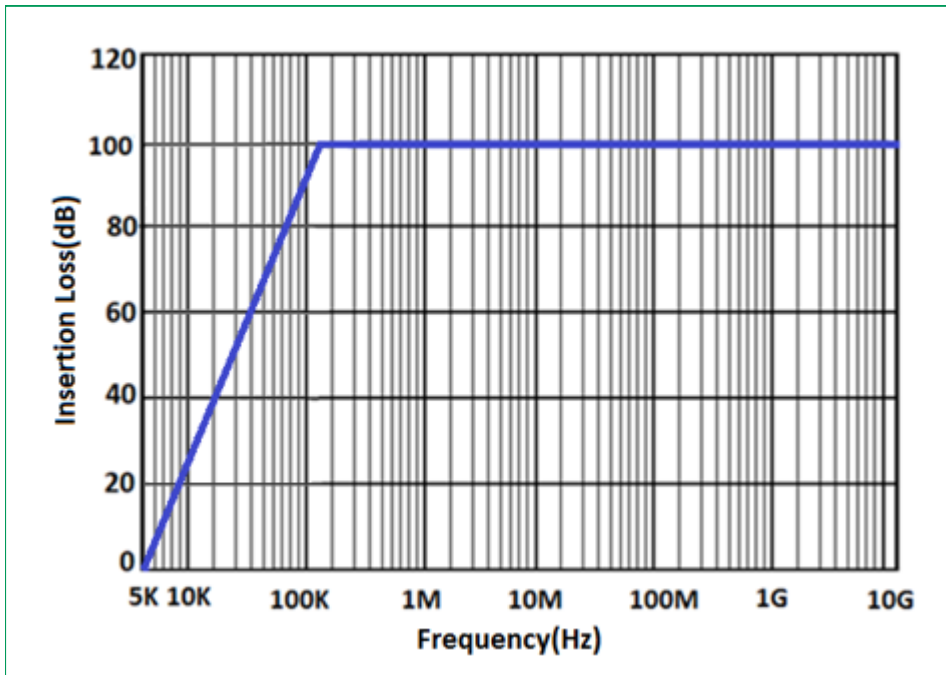


Mechanical Dimensions:

Model Number	A	B	C	D	E	F	G	H	I	J	K
CMF94F-2-6	450	80	55	435	50	47.5	40	27.5	100	4.2	M25
CMF94F-4-6	450	125	55	435	85	47.5	62.5	27.5	100	6.2	M30
CMF94F-5-6	450	180	55	435	130	47.5	90	27.5	100	6.2	M30
CMF94F-6-6	450	250	55	435	200	47.5	125	27.5	100	8.2	M30
CMF94F-7-6	450	350	110	435	300	47.5	175	55	100	8.5	M30
CMF94F-8-6	450	350	110	435	300	47.5	175	55	100	8.5	M30
CMF94F-9-6	450	350	180	435	300	55	175	90	100	8.5	M40
CMF94F-10-6	450	350	180	435	300	55	175	90	100	8.5	M40

Note: All dimensions in mm; Tolerances according to ISO2768-C

Insertion Loss Graph:



Accessories :

1. Mating Connector - 1 No
2. Plain Washer - 2 No's
3. Hex Nut - 2 No's
4. Gasket - 2 No's