


Features:

- Very easy to Install
- No. of Lines can be made as per customer requirements
- Ensures long term reliability in maintaining signal integrity
- Provides EMP Protection

Applications:

- Communication Cabins
- Shielded Rooms
- Sensitive Compartmented Information Facilities

Performance Indicator:

Standard	High	Very High

DATASHEET

Telephone Line HEMP Filter – CMF927

A range of multi-line HEMP protection filters for Telephone lines suitable for use in various HEMP protected installations. All lines are individually filtered and feature inductive input to offer both continuous wave EMC performance and superior transient handling performance. This Series Filters meet the PCI requirements of MIL-STD-188-125-1&2 for Audio/Data lines.

Technical Specifications:

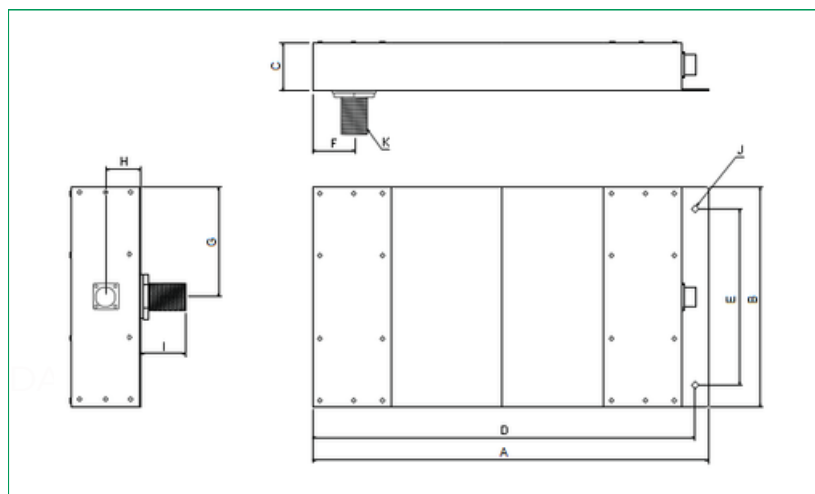
Operating Voltage	: 95VAC/125VDC
Current Rating	: 125mA
Insulation Resistance	: >100MΩ (Prior to fitting Surge Suppressors)
DC Resistance	: 9Ω
Operating Temperature Range	: -40°C to +50°C
Storage Temperature Range	: -40°C to +85°C
Max. Surge current	: 6.5kA@8/20μs
Insertion loss (50W)	: 100dB from 20KHz to 10GHz

Type of Filtering	: Low Power Filter with EMP Protection
EMP Compliance	: MIL-STD-188-125-1&2 Unrestricted Lines of Intrastite
Enclosure Material	: CRCA with Plating
Finish	: Paint / Powder Coating

Ordering Information:

Model Number	Number of Lines	Part Number	Termination		Weight (Kgs)
			Input	Output	
CMF927-2-0.125	2	E106316-1	MIL Connector	Shielded Cable through Threaded Pipe	5
CMF927-4-0.125	4	E106317-1	MIL Connector	Shielded Cable through Threaded Pipe	6
CMF927-5-0.125	6	E106318-1	MIL Connector	Shielded Cable through Threaded Pipe	8
CMF927-6-0.125	8	E106319-1	MIL Connector	Shielded Cable through Threaded Pipe	10
CMF927-7-0.125	12	E112727-1	MIL Connector	Shielded Cable through Threaded Pipe	17
CMF927-8-0.125	16	E112728-1	MIL Connector	Shielded Cable through Threaded Pipe	17
CMF927-9-0.125	24	E112729-1	MIL Connector	Shielded Cable through Threaded Pipe	22
CMF927-10-0.125	32	E106320-1	MIL Connector	Shielded Cable through Threaded Pipe	25

Mechanical Drawing :

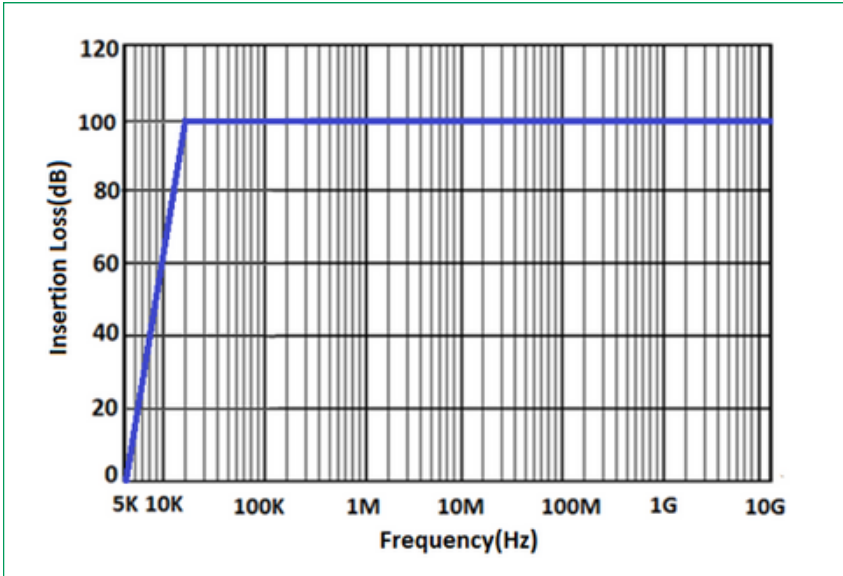


Mechanical Dimensions :

Model Number	A	B	C	D	E	F	G	H	I	J	K
CMF927-2-0.125	450	80	55	435	50	47.5	40	27.5	100	6.5	M25
CMF927-4-0.125	450	125	55	435	85	47.5	62.5	27.5	100	6.5	M30
CMF927-5-0.125	450	180	55	435	130	47.5	90	27.5	100	6.5	M30
CMF927-6-0.125	450	250	55	435	200	47.5	125	27.5	100	8.5	M30
CMF927-7-0.125	450	250	120	435	200	60	125	60	100	8.5	M50
CMF927-8-0.125	450	250	120	435	200	60	125	60	100	8.5	M50
CMF927-9-0.125	450	250	180	435	200	65	125	90	100	8.5	M60
CMF927-10-0.125	450	250	220	435	200	47.5	125	110	100	8.5	M60

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