

# SINGLE LINE HIGH PERFORMANCE EMI FILTER

## MF 420 -1CF



DATASHEET

Applications

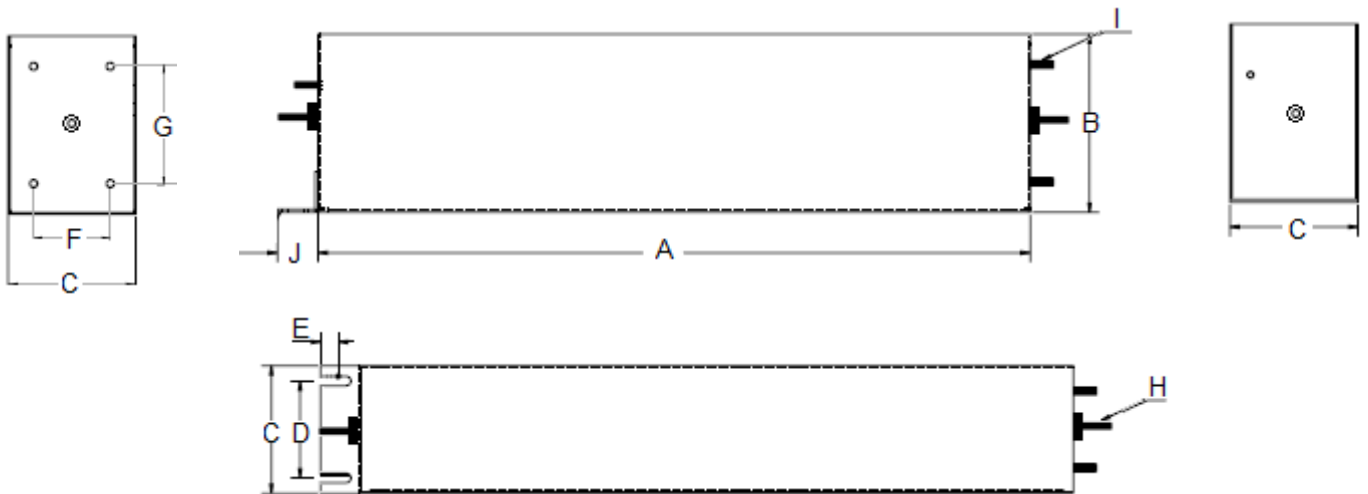
For shielding chambers.1

MRI rooms.2

### **TECHNICAL SPECIFICATION:**

1. Rated Current	:	6A to 250A
2. Rated Voltage	:	250VAC
3. Frequency	:	50/60Hz
4. Suppression Characteristic	:	60 dB at 10 KHz, 80dB at 100 KHz >100dB from 1MHz to 10GHz
5. Overload Current Rating	:	6 X Rated Current for 8 Sec
6. Discharge Resistor	:	Internally Connected
7. Insulation Resistance	:	>10MΩ (Prior to fitting discharge resistors)
8. Test Voltage	:	1500Vdc each line to case 1414Vdc Line to Line
9. Maximum Voltage Drop	:	2% of Rated Current
10. Maximum Temperature rise on full Load	:	35°C
11. Environmental Parameters		
a) Operating Temperature	:	-30°C to 70°C
b) Storage Temperature	:	-40°C to 70°C
12. Enclosure	:	CRCA with Electroless Plating
13. Finishing	:	Paint (Optional)

## MECHNAICAL DIMENSIONS:



I = 4 NOS OF MOUNTING STUDS.

Current Rating	A	B	C	D	E	F	G	H	I	J
6A	427.00	100.00	90.00	50.00	20.00	60.00	70.00	M5	M5	30.00
10A	427.00	100.00	90.00	50.00	20.00	60.00	70.00	M5	M5	30.00
16A	427.00	100.00	90.00	50.00	20.00	60.00	70.00	M5	M5	30.00
20A	620.00	115.00	115.00	65.00	30.00	85.00	85.00	M5	M5	40.00
30A	620.00	115.00	115.00	65.00	30.00	85.00	85.00	M6	M5	40.00
40A	620.00	115.00	115.00	65.00	30.00	85.00	85.00	M6	M5	40.00
50A	810.00	180.00	152.00	102.50	30.00	122.50	148.00	M6	M6	40.00
60A	810.00	180.00	152.00	102.50	30.00	122.50	148.00	M8	M6	40.00
75A	810.00	180.00	152.00	102.50	30.00	122.50	148.00	M8	M6	40.00
100A	810.00	180.00	152.00	102.50	30.00	122.50	148.00	M8	M8	40.00
120A	910.00	254.00	203.00	153.00	30.00	153.00	204.00	M10	M8	40.00
150A	910.00	254.00	203.00	153.00	30.00	153.00	204.00	M10	M8	40.00
175A	910.00	254.00	203.00	153.00	30.00	153.00	204.00	M12	M10	40.00
200A	910.00	254.00	203.00	153.00	30.00	153.00	204.00	M12	M10	40.00
225A	910.00	254.00	203.00	153.00	30.00	153.00	204.00	M14	M10	40.00
250A	910.00	254.00	203.00	153.00	30.00	153.00	204.00	M14	M10	40.00

## HOW TO ORDER: EMIS –MF420-WCF-X-Y

W – No.of Lines

X – Current Rating

Y – External Casing – Optional (Applicable for more than one Line)

## **EMI SOLUTIONS PVT. LTD.**

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