

Approvals & Compliances



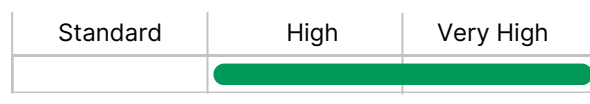
Features:

- Designed specifically for MRI installations
- Meets MRI system manufacturers performance requirements
- Long lasting shielding of filter elements inside sealed filter compartment
- Easy installation with threaded conduit and flexible wire leads
- Safer installations: internal discharge bleeder resistor reduces shock hazard

Applications:

- MRI Screened facilities
- Shielded room and facilities

Performance Indicator:



Rated Current (A):



DATASHEET

MRI FILTER - MF420-2CF-M

EMI/RFI shielded filters give superior performance when used in applications with low Impedance loads controlling pulsed, continuous and intermittent interference noise and where high levels of mains borne interference are present

Technical Specifications:

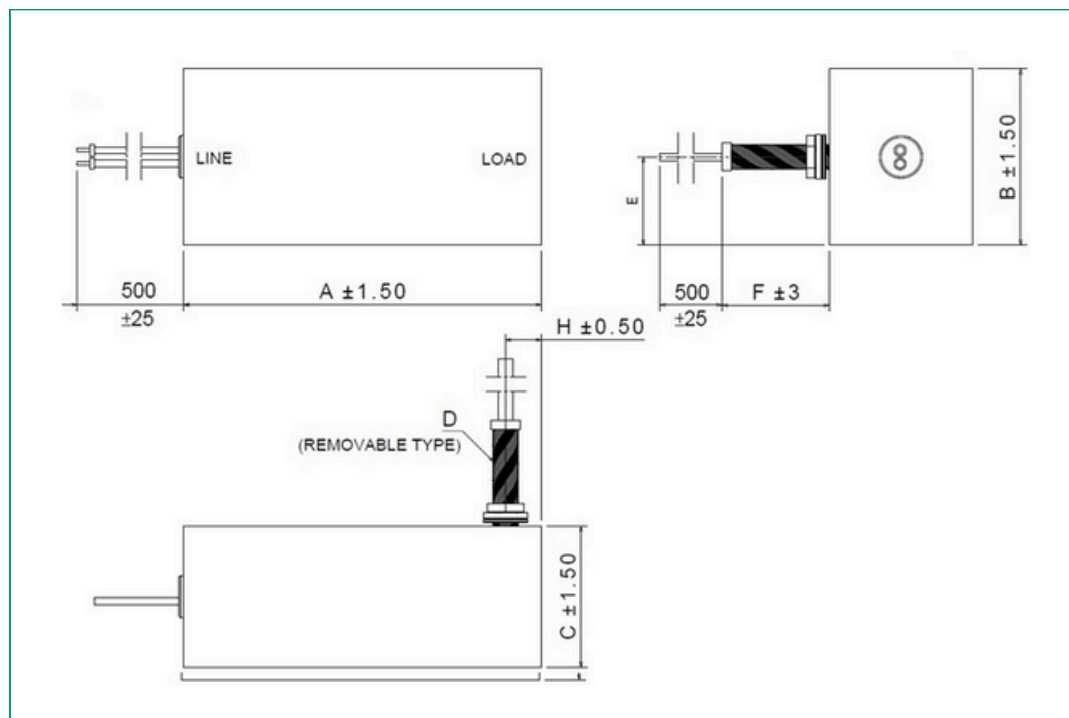
Maximum Continuous Operating Voltage	: 250 VAC
Current ratings	: 1A to 32A @40°C
Operating Frequency	: 50/60Hz
High Potential test voltage	: 2250VDC L,N-G and 1450 L-N for 1 Minute
Overload Capability	: 135% of Rated current for 15 minutes
Leakage Current	: 350mA @250VAC 50Hz
Design Corresponding to	: UL 1283
Flammability corresponding to	: UL 94 V-0
Temperature range	: -25°C to +85°C
Climatic Category	: 25/85/21

Voltage Drop	: Less than 2%
DC Insulation Resistance	: As per MIL-STD-202 , Method 302
Temperature Rise	: As per MIL-PRF-15733
R.F. Radiation	: 100dB minimum shielding effectiveness
Insertion Loss	: 100dB from 1MHz to 10GHz
Input Termination	: Cable through Knockout hole
Output Termination	: Cable through Threaded pipe

Ordering Information

Model Number	Part Number	Current Rating @40°C(A)	Termination (Cable)	Min. Weight (Kgs)
MF420-2CF-M	E104453-1	1	2x18 AWG	3
MF420-2CF-M	E104454-1	3	2x18 AWG	3
MF420-2CF-M	E104455-1	6	2x18 AWG	3
MF420-2CF-M	E104456-1	10	2x16 AWG	3
MF420-2CF-M	E104457-1	12	2x12 AWG	3
MF420-2CF-M	E104458-1	15	2x12 AWG	3
MF420-2CF-M	E104459-1	16	2x12 AWG	3.5
MF420-2CF-M	E104460-1	20	2x10 AWG	3.5
MF420-2CF-M	E104461-1	25	2x10 AWG	3.5
MF420-2CF-M	E104462-1	30	2x10 AWG	3.5
MF420-2CF-M	E104463-1	32	2x8 AWG	3.5

Mechanical Drawing:



Ordering Information

Current Ratings	A	B	C	D	E	F	H
1A	200	100	80	M14	50	60	20
3A	200	100	80	M14	50	60	20
6A	200	100	80	M14	50	60	20
10A	200	100	80	M14	50	60	20
12A	200	100	80	M14	50	60	20
15A	200	100	80	M14	50	60	20
16A	200	100	80	M14	50	60	20
20A	220	120	90	M16	60	60	20
25A	220	120	90	M16	60	60	20
30A	220	120	90	M16	60	60	20
32A	220	120	90	M24	60	60	25

Note: All dimensions in mm; Tolerance according: ISO2768-C

Insertion Loss Graph :

