

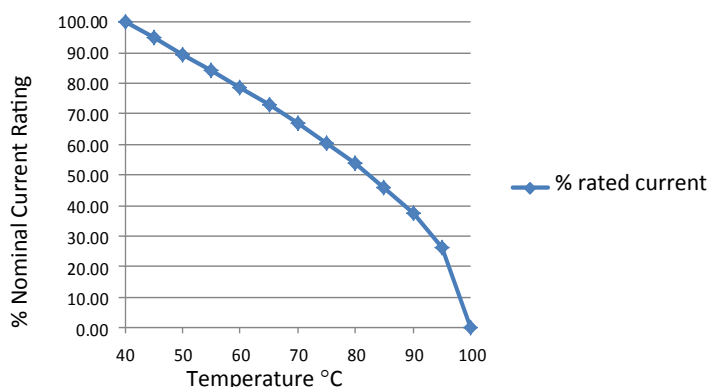
RES70-M Multi-Stage Performance Filter

Medical Applications

Roxburgh EMC's RES70-M range are two-phase filters, designed specifically for the medical industry. They offer a high differential and high common mode attenuation with high frequency. There are eight variations to select from with rated current between 1amp and 36amp.



Temperature Derating Curve for EMC Filters Rated at 40°C Ambient and 100°C Maximum



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Features:

- Two-Phase Filter
- High Differential Mode Performance
- UL Approved E191581
- For use from DC to 400Hz

Benefits:

- Compact size for rated current
- Fast-on, screw or wire terminations
- Quick and easy mounting

Applications:

These filters are designed for applications within the **medical industry**.

Full technical specification on page 2

Other options in this range on page 3

DEM Manufacturing

Deltron Emcon House
Hargreaves Way
Sawcliffe Industrial Park
Scunthorpe, North Lincolnshire.
DN15 8RF

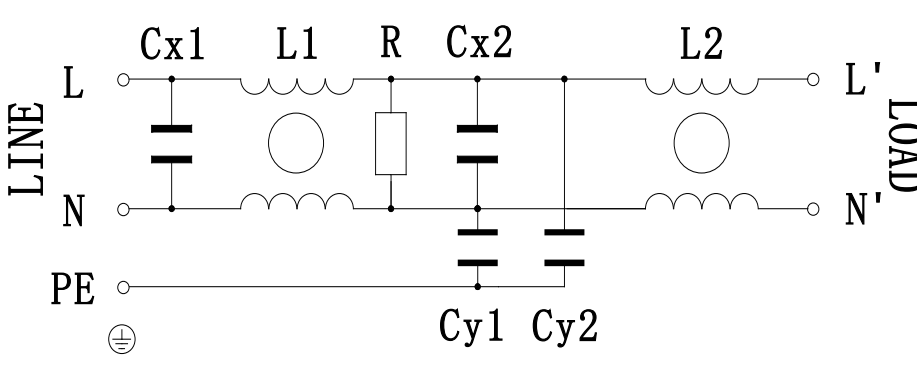
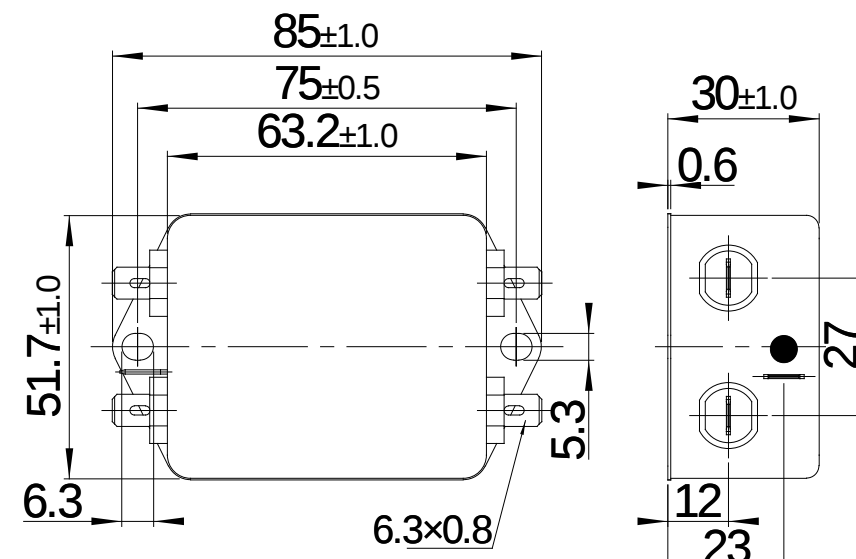
ROXBURGH *EMC*



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Circuit diagram:		Dimensions(mm):							
									
Electrical parameters:									
Rated Voltage:		120/250VAC							
Rated Current at an ambient temp:		1A@40°C							
Operating Frequency:		50/60Hz							
Climatic Class(IEC60068-1):		25/100/21							
Operational Leakage current: (at 250VAC/50Hz and Total C +/-20%)		0.8mA max (RES70F01-M 0mA)							
Operational Leakage current: (at 120VAC/60Hz and Total C +/-20%)		0.46mA max (RES70F01-M 0mA)							
Test Voltage(100%)for 2 sec:									
L-N:		1100VDC/20mA							
L/N-PE:		2250VDC/20mA							
		+44 (0)1724 273200 sales@dem-uk.com www.dem-uk.com/roxburgh				Part RES70F01 Number (Alternate RES70F01-M - no Y caps)		single-phase emc filter	
		stage marker		V1.03					

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RES70-M Multi-Stage Performance Filter

Medical Applications

Options Available:

Part Number	Rated Current @40°C A	Leakage Current @ 230V/50Hz mA	Inductance ΣL mH	Capacitance ΣCx uF	Resistance ΣR K Ω	Connection Type		
								
RES70F01-M	1	0.002	22	0.33	1000	F	W	
RES70F03-M	3	0.002	9.8	0.47	470	F	W	
RES70F06-M	6	0.002	7.8	1	220	F	W	
RES70F10-M	10	0.002	4.5	1	220	F	W	
RES70F12-M	12	0.002	3.25	1	220	F	W	
RES70F16-M	16	0.002	2.8	1	220	F	W	S
RES70S25-M	25	0.002	2	2.2	220			S
RES70S36-M	36	0.002	1.23	2.2	220			S

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