

Multi Stage General Purpose EMI Filter

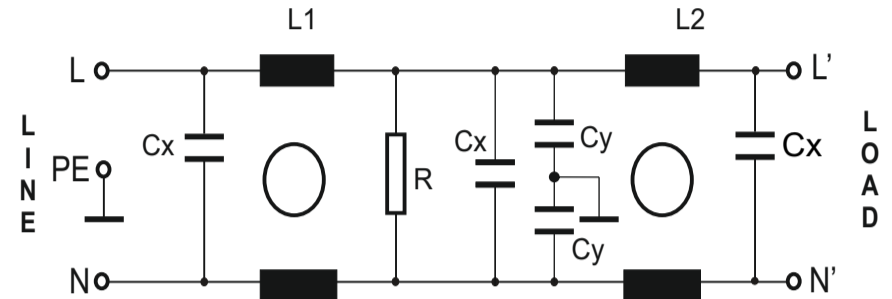


- Rated current from 1 to 10 A
- Multi stage filter
- High common & differential mode performance
- Optional medical version (Type B)
- Optional safety version (Type A)

Approvals:



1 CIRCUIT DIAGRAM:



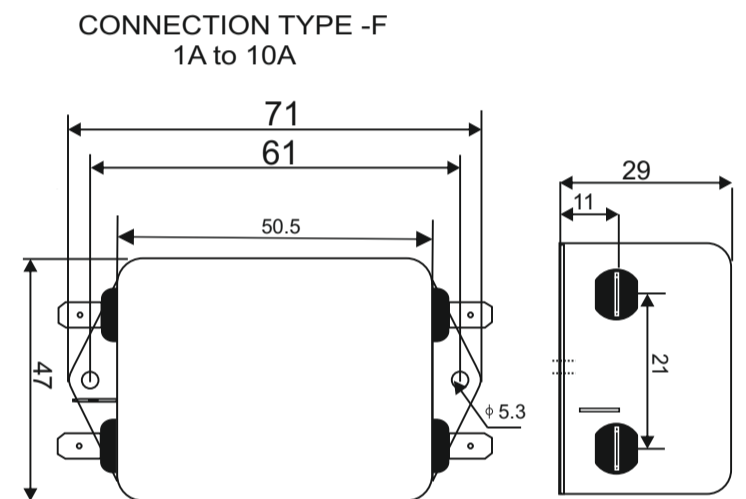
Technical specifications

Maximum continuous operating voltage: 250VAC, 50/60Hz
 Operating frequency: DC to 400Hz
 Rated currents: 1 to 10A @ 40°C max.
 High potential test voltage: L → PE 2250VDC for 2 sec (standard types)
 L → PE 3500VDC for 2 sec (B types)
 L → N 1450VDC for 2 sec
 Temperature range (operation and storage): -25°C to +85°C (25/100/21)
 Design corresponding to: UL 1283.

Typical Application

- Electrical and electronic equipment
- Consumer goods
- Household equipment
- Medical equipment
- Electronic data processing equipment
- Office automation and datacom equipment
- Industrial application
- Machinery
- Various noisy application requires good attenuation performance filter

2 MECHANICAL DIMENSION (mm):



NOTE:
 All Dimension in mm
 Connection type F-Fast On Terminal(6.3x0.8)
 S-Screw (M4)

3 FILTER SELECTION TABLE

PART NO	RATED CURRENT @40°C	LEKAGE CURRENT 250VAC,50Hz	INDUCTANCE L (mH)	CAPACITANCE Cx (uF)	CAPACITANCE Cy (nF)	CONNITION TYPE
BL2630-01-F	1	0.8 mA	7.4	300	6.6	FASTON
BL2630-03-F	3	0.8 mA	3.6	300	6.6	FASTON
BL2630-06-F	6	0.8 mA	1.4	300	6.6	FASTON
BL2630-10-F	10	0.8 mA	0.6	300	6.6	FASTON

4 INSERTION LOSS (CM-COMMON MODE VS DM- DIFFERENTIAL MODE)

PART NO	CURRENT RATING	FREQUENCY (MHz)	0.1	0.5	1.0	5.0	10.0	30.0
BL2630-01-F	1A	CM(dB)	46	74	73	58	51	27
		DM(dB)	7	52	46	54	47	32
BL2630-01-F	3A	CM(dB)	39	69	82	60	54	49
		DM(dB)	6	51	63	52	45	39
BL2630-01-F	6A	CM(dB)	22	52	60	68	70	53
		DM(dB)	15	31	75	55	50	42
BL2630-01-F	10A	CM(dB)	5	31	50	66	59	47
		DM(dB)	7	19	55	56	49	40