

EBT1 Series EMC Filters

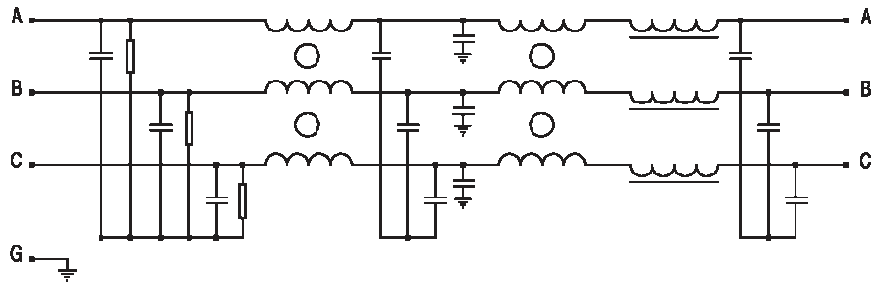
Compliance Engineering's EBT1 series EMC filters are ideally suited for heavy interference environments such as inverter speed controller systems. These filters provide excellent common and differential mode performance.



Technical Data	
Rated Voltage:	250 / 440VAC
Operating Frequency:	50 / 60 Hz
Current Rating:	5A – 80A
Test Voltage (1 min):	2250 VDC (line to ground)
Climatic Category	40 / 085 / 21

Model	Rated Current (A)	Ground Capacitance (nF)	Discharge Resistance (kΩ)	Circuit Diagram Figure	Dimension Figure
5EBT1	5	47	220	1	1
10EBT1	10	47	220	1	1
20EBT1	20	47	220	1	1
25EBT1	25	47	220	1	1
35EBT1	35	47	220	1	1
50EBT1	50	100	220	1	1
65EBT1	65	100	220	1	1
80EBT1	80	100	220	1	1

Typical Circuit Diagram



Circuit 1.

Outline Drawings and Dimension (mm)

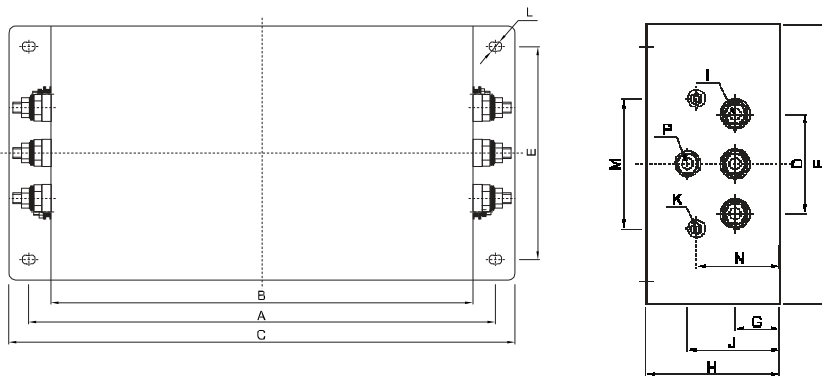


Figure 1.

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)	J (mm)	k (mm)	M (mm)	N (mm)	P (mm)	L (mm)
5EBT1	184	160	202	42	60	86	18	58	M4	38	-	-	-	M4	6.4x9.4
10EBT1	184	160	202	42	60	86	18	58	M4	38	-	-	-	M4	6.4x9.4
20EBT1	243	220	261	58	70	100	25	90	M6	58	M4	74	49	M6	6.4x9.4
25EBT1	243	220	261	58	70	100	25	90	M6	58	M4	74	49	M6	6.4x9.4
35EBT1	243	220	261	58	70	100	25	90	M6	58	M4	74	49	M6	6.4x9.4
50EBT1	243	220	261	58	70	100	25	90	M6	58	M4	74	49	M6	6.4x9.4
65EBT1	354	320	384	66	155	185	30	90	M8	62	M4	86	56	M8	6.4x9.4
80EBT1	354	320	384	66	155	185	30	90	M8	62	M4	86	56	M8	6.4x9.4

Insertion Loss in dB (Measured in 50 Ω system as per IEC/CISPR NO.17)

Common Mode ————— Differential Mode - - - - -

