

SINGLE PHASE EMC-EMI FILTER

ELECTRO TAVAN CO.

TECHNOLOGY
QUALITY
PERFORMANCE

General purpose single phase emi filter

Technical Specifications

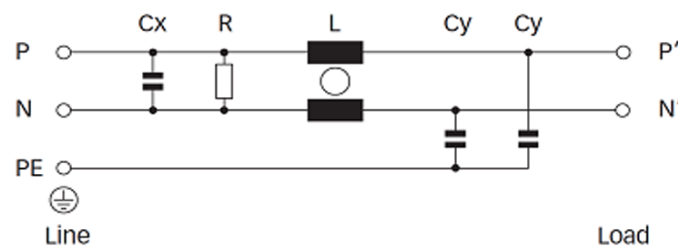
Nominal Voltage(Max continous)	220/250 VAC
Nominal Currents	10 to 60 A
Oprating Frequency	50 / 60 Hz
Protection degree	IP20
Temprature range	-25 to +80 C
Overload limits	1.5*Nominal current for 1 minute once per hour
Design standard	CISPR 17 , IEC/EN 60939
Enclosure material	Stainless steel
Attenuation frequencies (best range)	100Khz to 10 Mhz
Noise severity(Max.)	90dB



Applications

- Fitness Equipment
- IT and Network systems
- Communication and Data Storage
- Smart Appliances and Consumer Electronics
- Power Supplies and UPS systems
- Control and Lab equipment

Electrical schematic

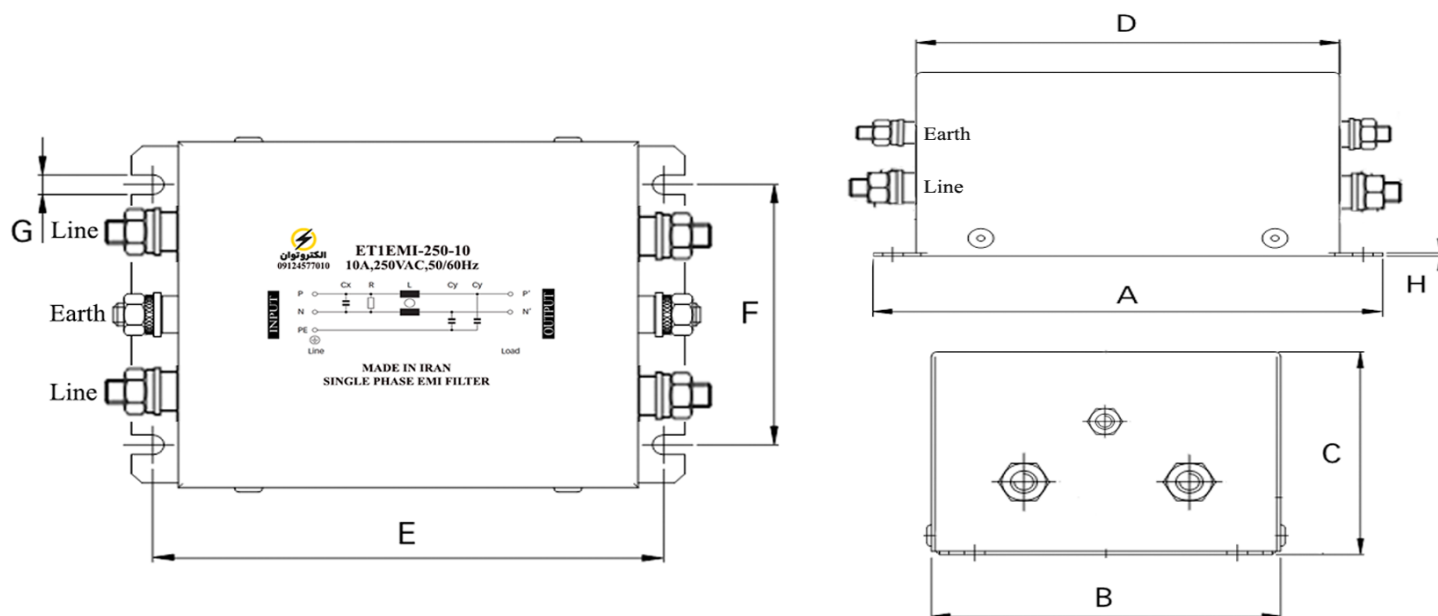


Describtion

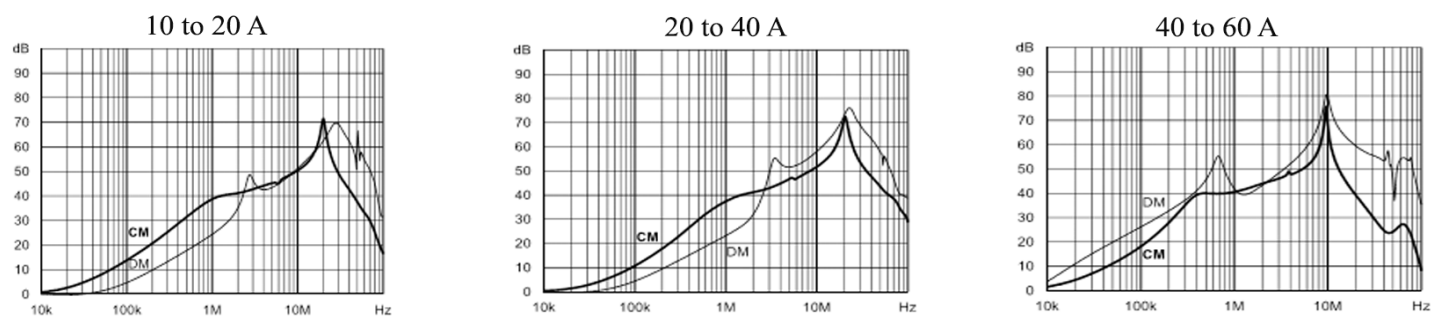
single Phase EMI Power Line Filters reduce Electromagnetic Interference and noise conducting into and out onto equipment power lines for compliance with Commercial and Military emission and susceptibility standards. ETCO Filters offers an extensive range of standard and customsinglephase EMI Power Line Filters for all voltages and currents. ETCO provide industry leading performance through utilization of current innovations in materials and design to ensure compliance with the most stringent limits and requirements.



Mechanical Data and Overview



Noise Attenuation (simulation results)



Filter selection

Order code	Rated current [A]	Power loss [w]	Leakage current [mA]	Inductance R [mH]	Capacitance Cx [uF]	Cy [nF]	Best Noise Attenuation range [Hz] >40dB	Max Noise severity [dB]
ET1EMI-250-10	10	2.5	0.67	0.8	0.1	4.7	1 MHz to 40 MHz	70
ET1EMI-250-15	15	3.1	0.67	0.7	0.1	4.7	1 MHz to 40 MHz	70
ET1EMI-250-20	20	3.6	0.67	0.7	0.1	4.7	1 MHz to 40 MHz	70
ET1EMI-250-25	25	4.4	0.67	0.6	0.1	4.7	2 MHz to 70 MHz	73
ET1EMI-250-30	30	5.7	0.74	0.7	0.47	10	2 MHz to 70 MHz	73
ET1EMI-250-35	35	6.3	0.74	0.75	0.47	10	2 MHz to 70 MHz	73
ET1EMI-250-40	40	8.2	0.74	0.8	1.5	10	2 MHz to 70 MHz	73
ET1EMI-250-45	45	10.1	0.74	0.85	1.5	10	500KHz to 20 MHz	75
ET1EMI-250-50	50	12.9	0.74	0.9	1.5	10	500KHz to 20 MHz	75
ET1EMI-250-60	60	14.6	0.74	1	1.5	10	500KHz to 20 MHz	75