

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI

SAFETY ORGANIZATIONS
THIS FILTER WILL BE FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS WILL BE MET:

UL RECOGNIZED* 250A 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 250A 440V 50Hz/60Hz 40°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 250A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 12mA @ 230VAC, 50Hz
OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -25°C TO +40°C
IN AN AMBIENT, T_a, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

RELIABILITY SPECIFICATIONS
STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C AND 95% RH

TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 0.12mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 2.04µF
NEUTRAL TO GROUND, NOMINAL: 2.2µF
LINE TO NEUTRAL, NOMINAL: 13.6µF

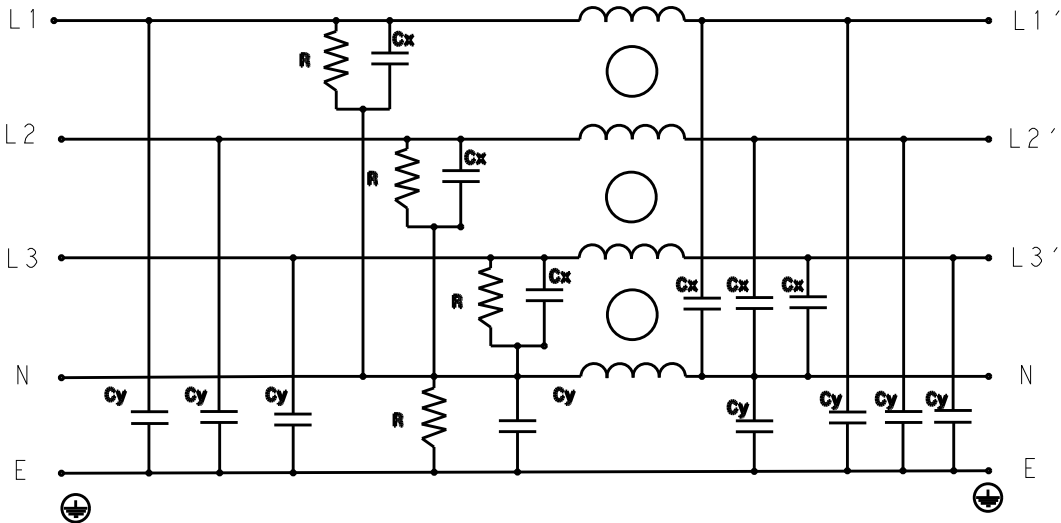
DISCHARGE RESISTOR
L/L I.R. 2MΩ 2W
L/N I.R. 1MΩ 2W
L/G I.R. 2MΩ 2W
N/G I.R. 1MΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 2632VDC
LINE TO LINE FOR 1 MINUTE: 1892VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1093VDC

FILTER APPROVAL
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

LINE SIDE

LOAD SIDE

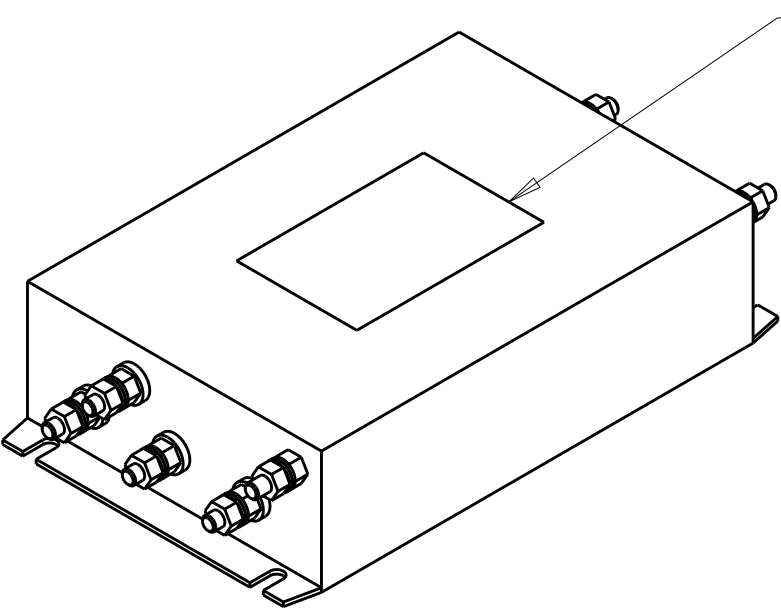


SCHEMATIC

TYPICAL INSERTION LOSS
COMMON MODE 50/50Ω; DIFFERENTIAL MODE 50/50Ω

MHz	0.01	0.05	0.15	0.5	1	3	5	10	30
CM	37	38	45	53	48	39	35	31	23
DM	42	42	45	46	40	34	29	24	18

LABEL TO TE
MARKING SPECIFICATION

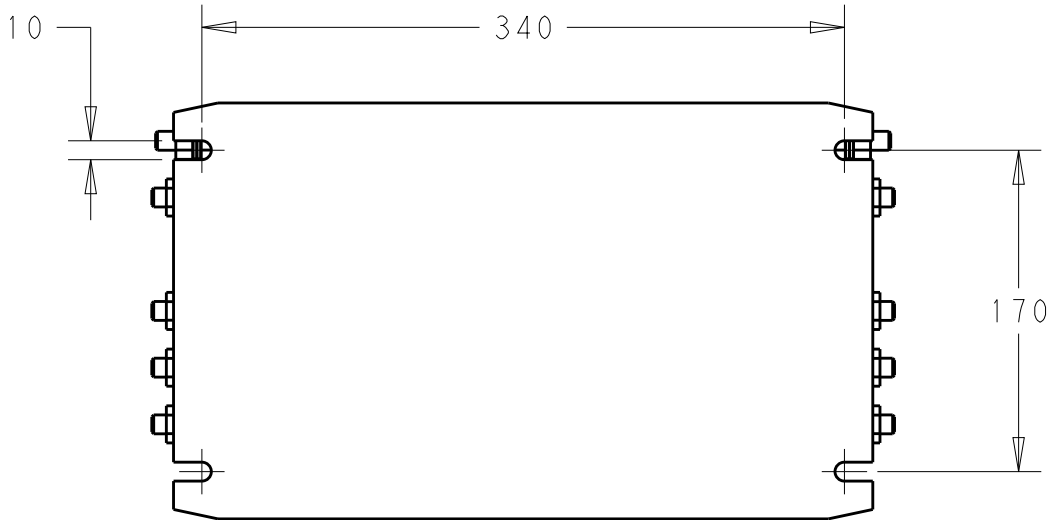
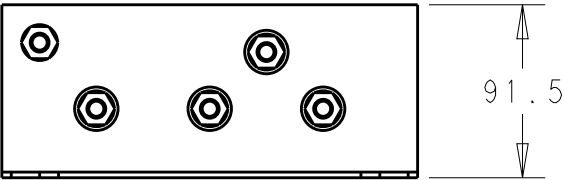
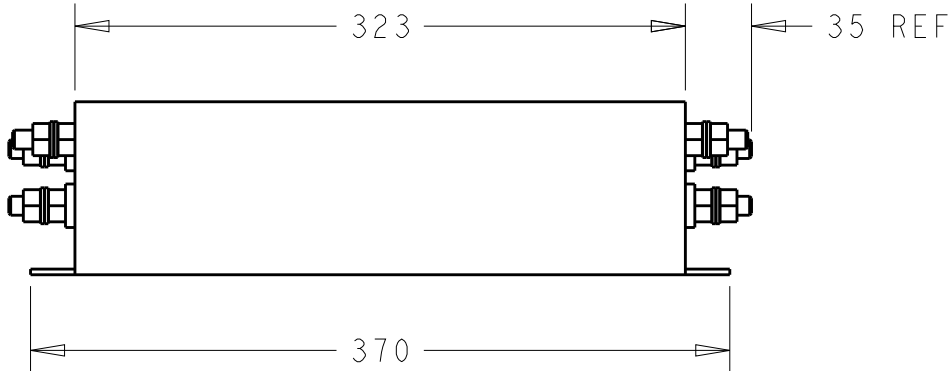
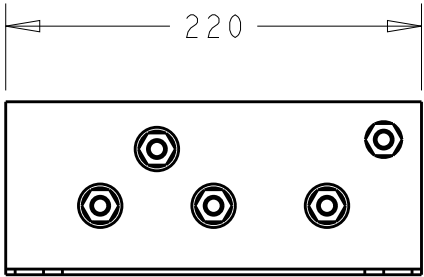
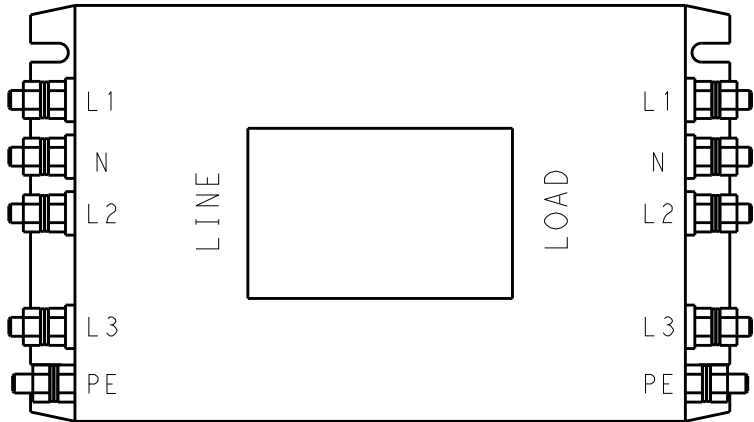


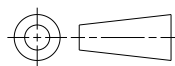
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B 28FEB2020	TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 28FEB2020			
		APVD LEO IRUDHAYARAJ 28FEB2020			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 250KEPS6AFPW		
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-2-1609968-6
		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B

NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: 4-10Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX
THREADED BOLT SIZE FOR TERMINAL: M10
THREADED BOLT SIZE FOR GROUND: M10

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B 28FEB2020	TE TE Connectivity					
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 28FEB2020						
	TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME POWER LINE FILTER 250KEPS6AFPW					
	0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-							
MATERIAL - -		FINISH - -	PRODUCT SPEC - APPLICATION SPEC - WEIGHT -		SIZE A3	CAGE CODE 00779	DRAWING NO C-2-1609968-6	RESTRICTED TO -
CUSTOMER DRAWING					SCALE 1:4	SHEET 2 OF 2	REV B	