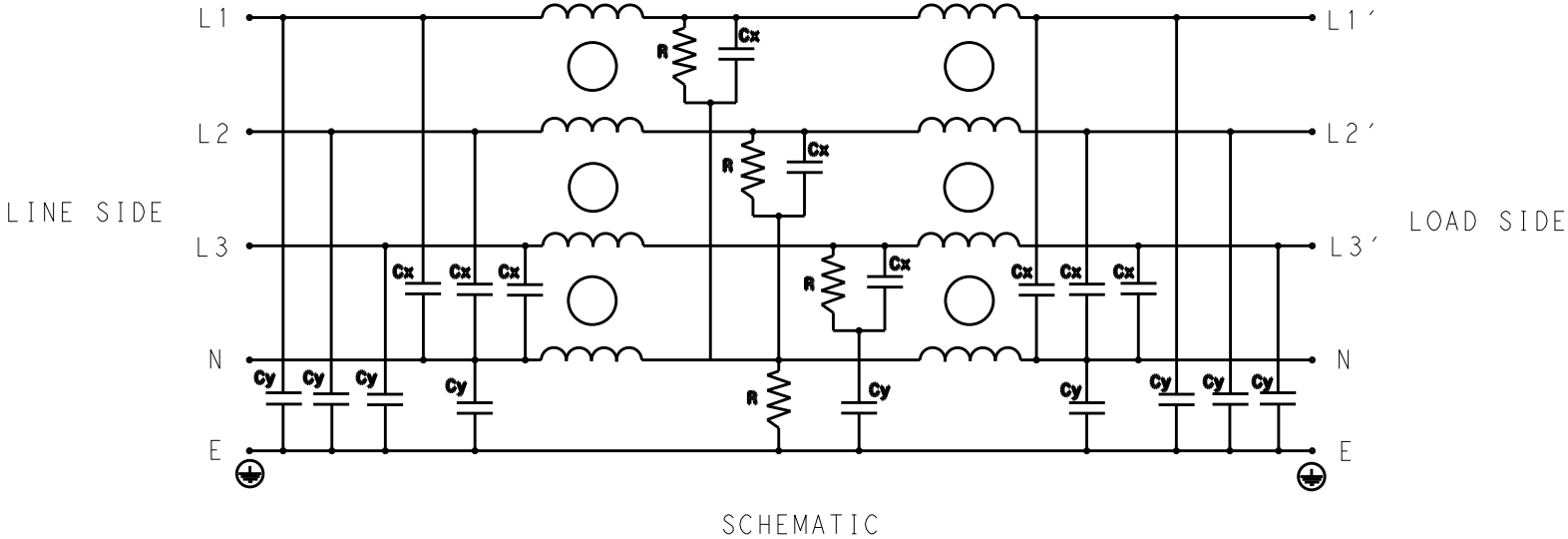
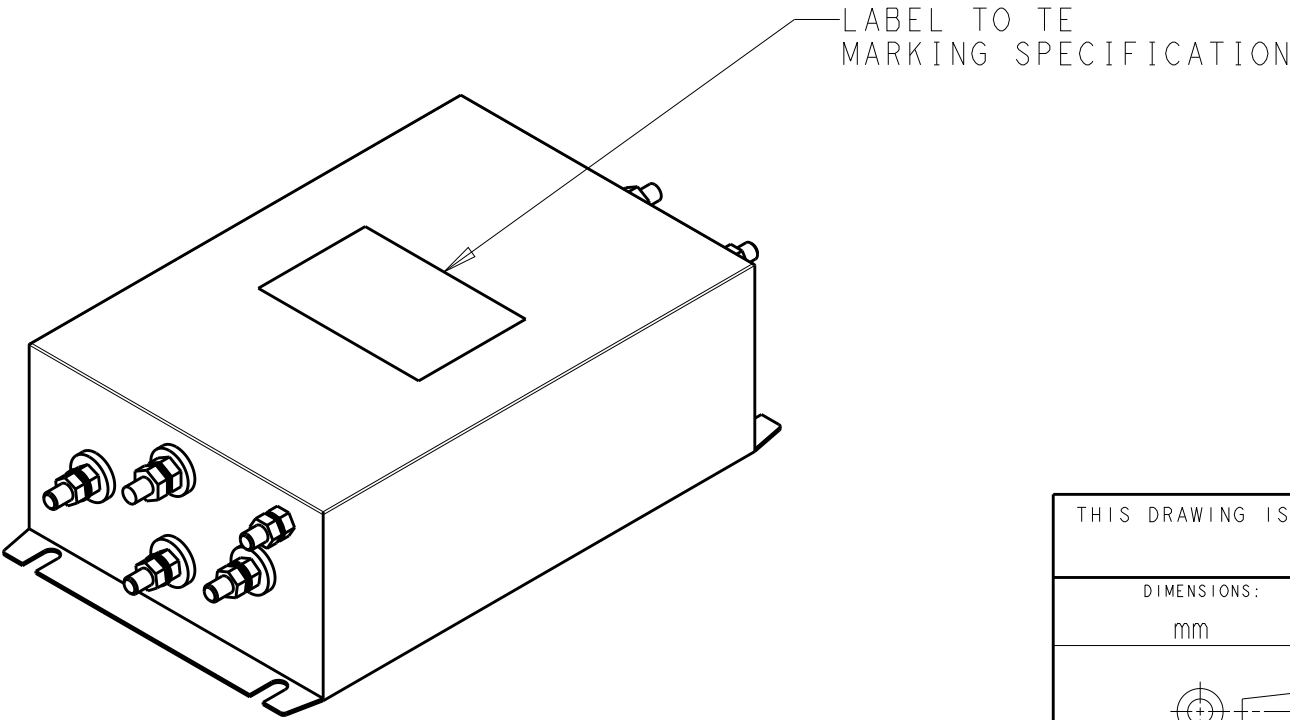


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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	32	34	43	55	50	41	37	32	30
DM	44	45	47	45	39	30	27	21	18



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

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

MAXIMUM LEAKAGE CURRENT: 15mA @ 230VAC, 50Hz
OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -10°C TO +50°C
IN AN AMBIENT, T_a, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{105 - T_a}{55}}$$

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

TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 0.16mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 2.98μF
NEUTRAL TO GROUND, NOMINAL: 3.3μF
LINE TO NEUTRAL, NOMINAL: 20.4μF

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.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24FEB2020 SHRICARANA B	TE Connectivity		
DIMENSIONS: mm		CHK 24FEB2020 LEO IRUDHAYARAJ			
		APVD 24FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 250KEVD10AFPW		
MATERIAL -		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-1609998-9
		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B

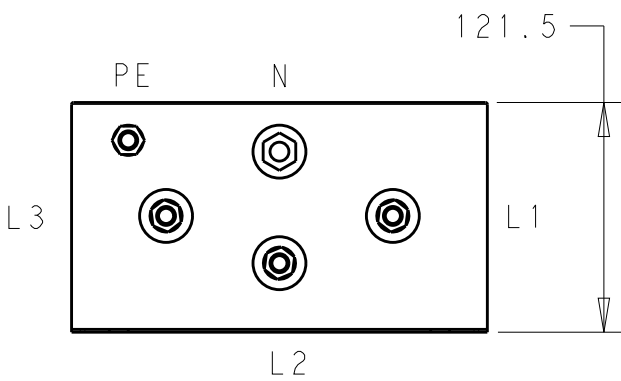
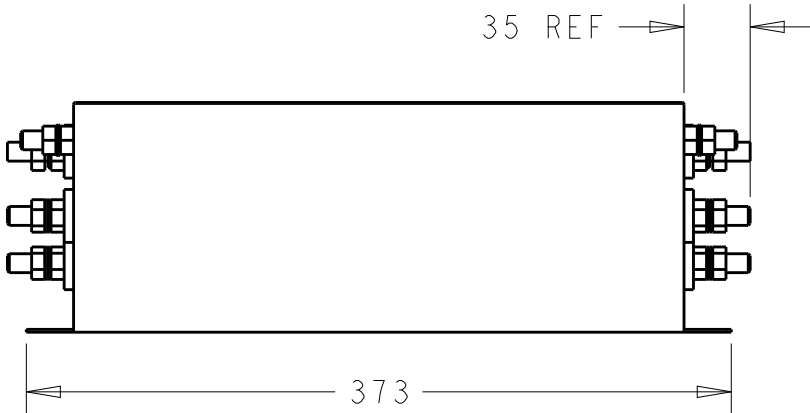
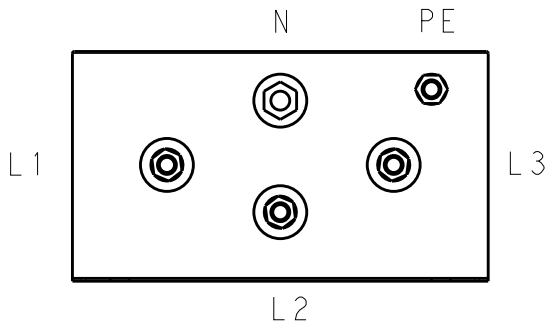
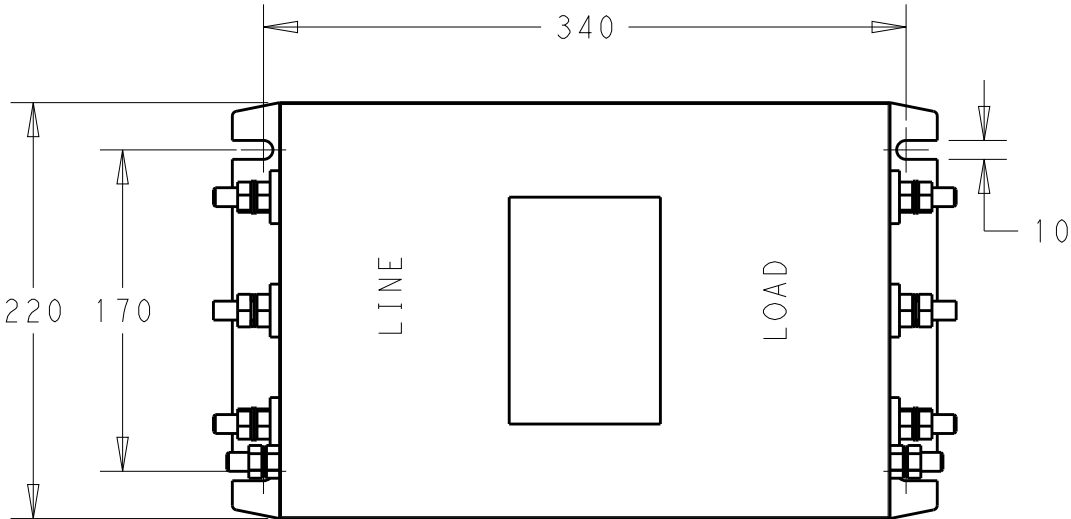
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: 4-10Nm

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

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24FEB2020 SHRICHARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 24FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 24FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 250KEVD10AFPW		
0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.4 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		PRODUCT SPEC -	SIZE A300779		
MATERIAL -		APPLICATION SPEC -	CAGE CODE C-1-1609998-9		
FINISH -		WEIGHT -	DRAWING NO 1-1609998-9		
CUSTOMER DRAWING		SCALE 1:4	SHEET 2 OF 2		REV B