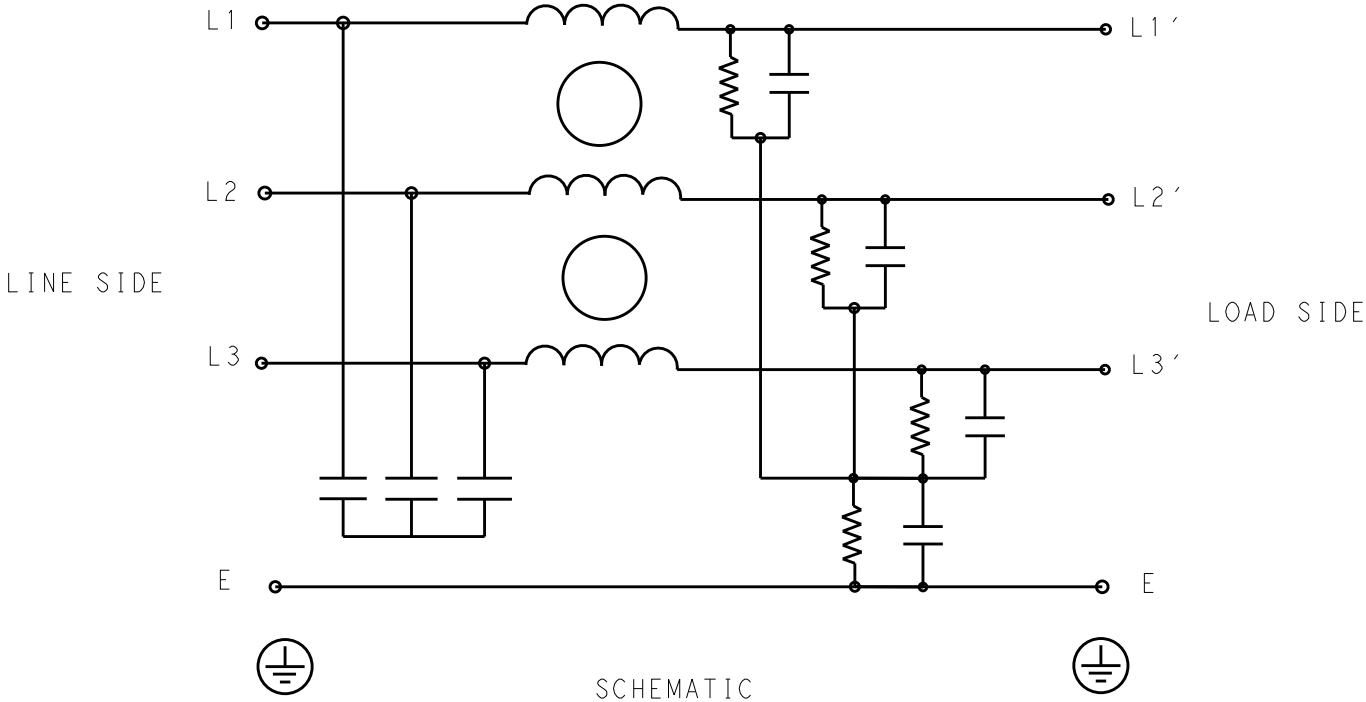
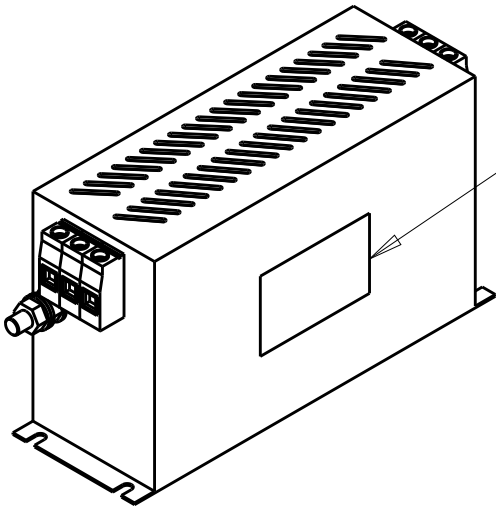


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	21	32	36	69	58	56	50	30	17
DM	36	40	47	80	75	62	54	50	35



LABEL TO TE
MARKING SPECIFICATION

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* 100A 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 100A 440V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 100A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 10mA @ 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: 0.1mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 0.88μF

LINE TO LINE, NOMINAL: 4.4μF

DISCHARGE RESISTOR

L/G I.R. 680KΩ 2W

L/L I.R. 3MΩ 2W

L/N I.R. XXX

N/G I.R. XXX

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

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 02MAR2020 SHRIC HARANA B	TE Connectivity		
DIMENSIONS: mm		CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.4 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		APPLICATION SPEC	NAME POWER LINE FILTER 100KEMS10ABSD		
MATERIAL		WEIGHT	SIZE	CAGE CODE	DRAWING NO
-		-	A3	00779	C-3-1609967-5
FINISH		CUSTOMER DRAWING	SCALE	SHEET	REV
-			1:4	1 OF 2	B

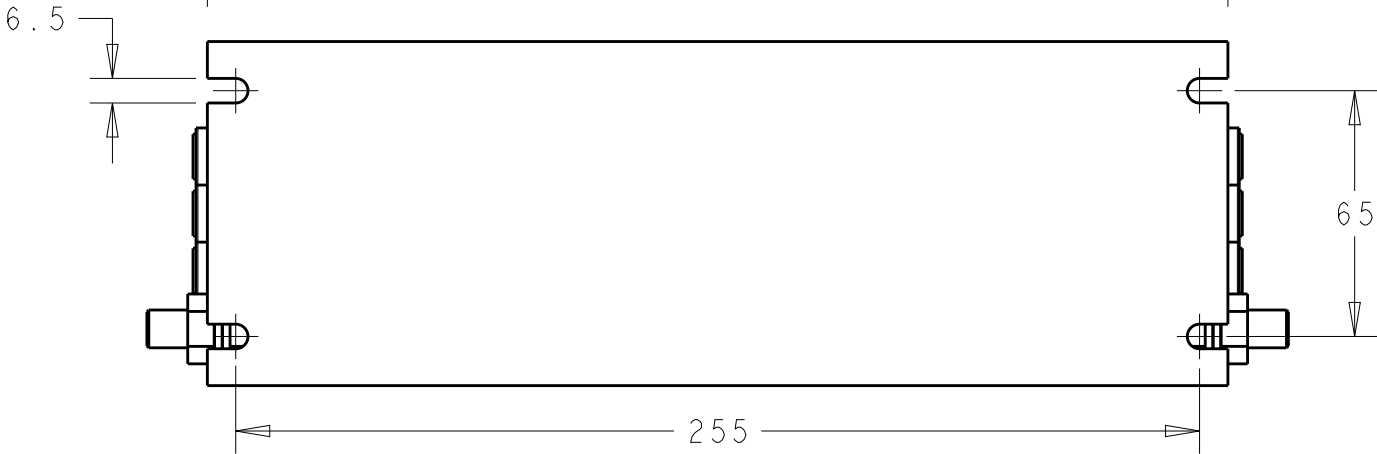
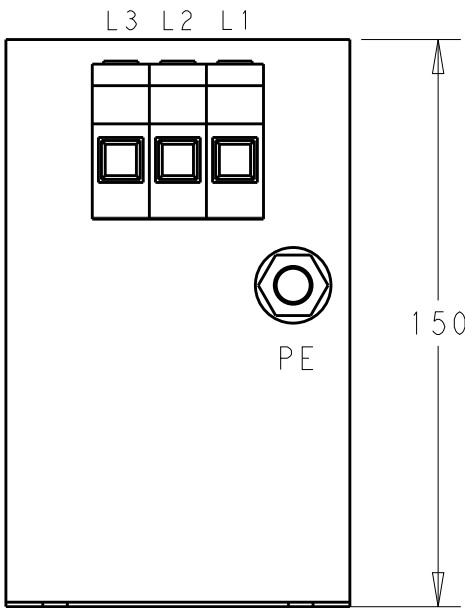
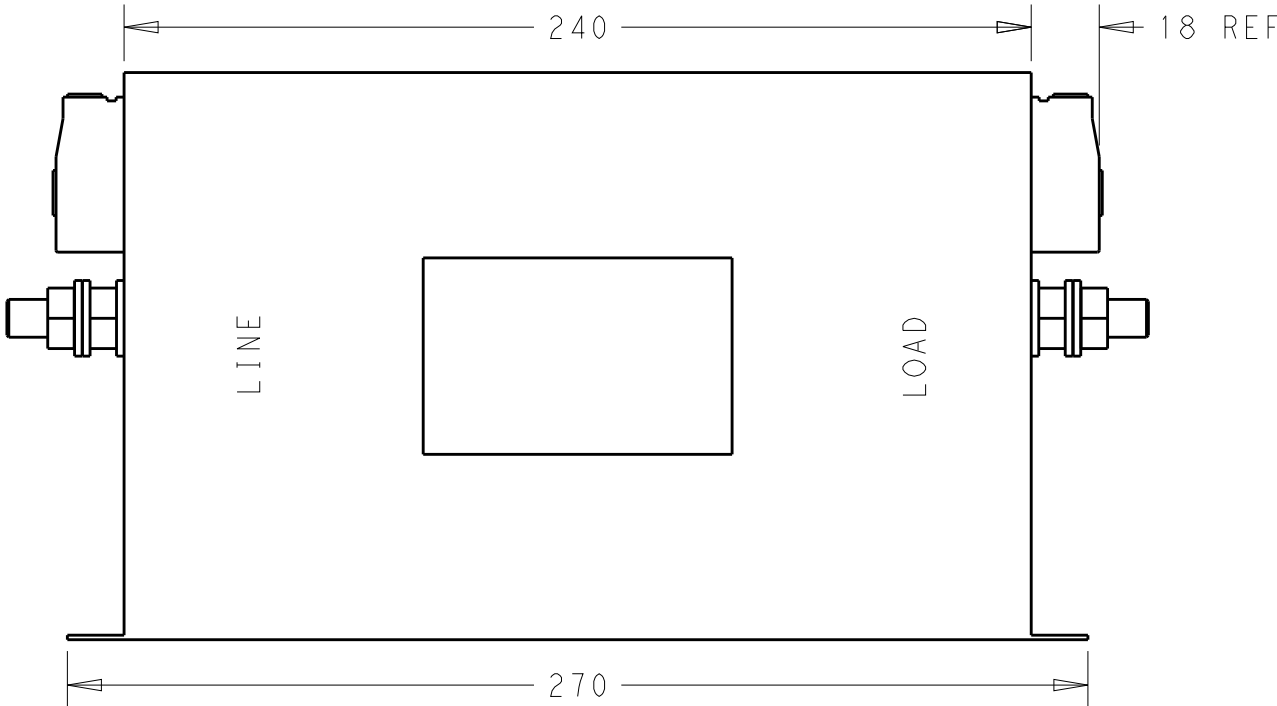
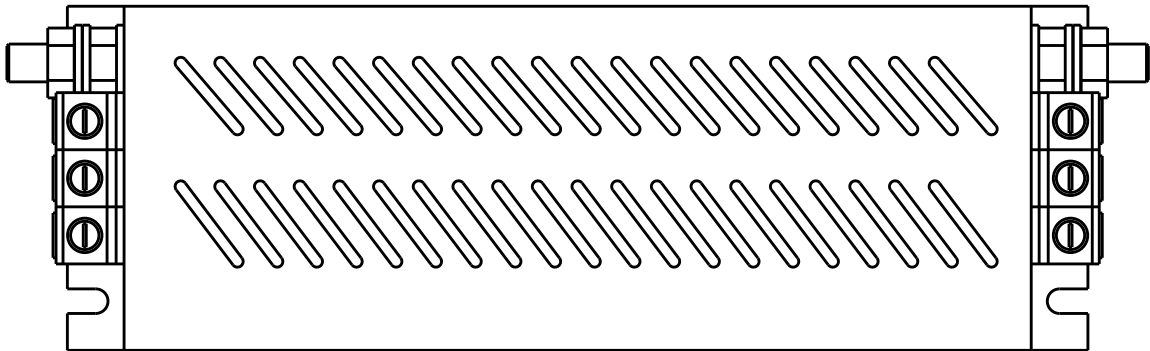
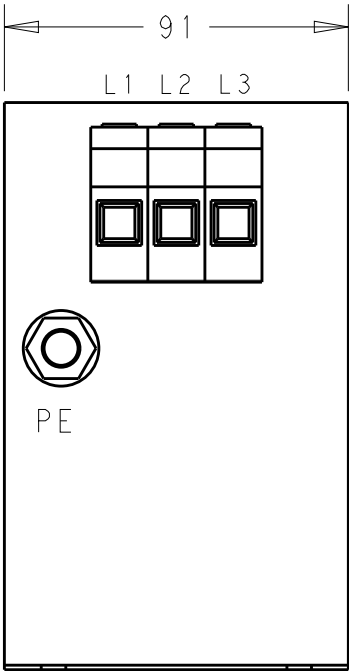
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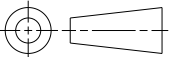
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 2 Nm / 18 in.lbs
TORQUE GROUND NUTS: 4-10Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 8-4 AWG
WIRE SECTION: 25 mm²
THREADED BOLT SIZE FOR GROUND: M10

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 02MAR2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 100KEMS10ABSD		
		PRODUCT SPEC -	SIZE A300779		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	CAGE CODE C-3-1609967-5		
0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		WEIGHT -	DRAWING NO C-3-1609967-5		
MATERIAL -		FINISH -	RESTRICTED TO -		
CUSTOMER DRAWING		SCALE 1:2	SHEET 2 OF 2	REV B	