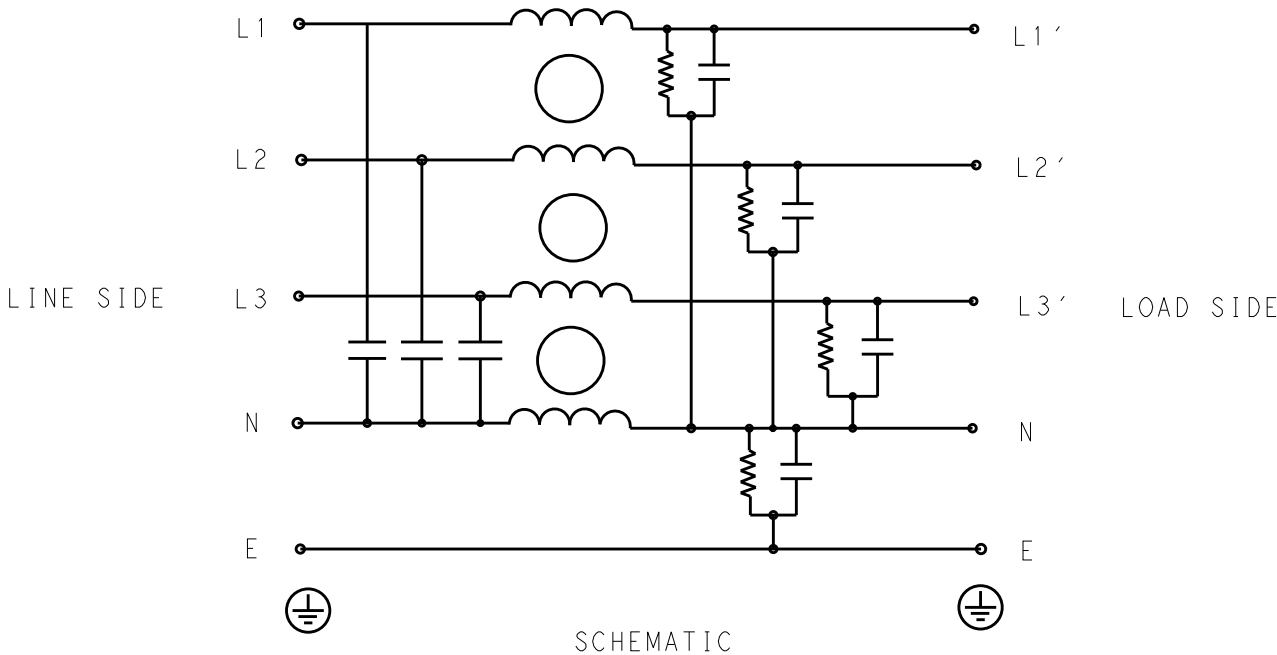
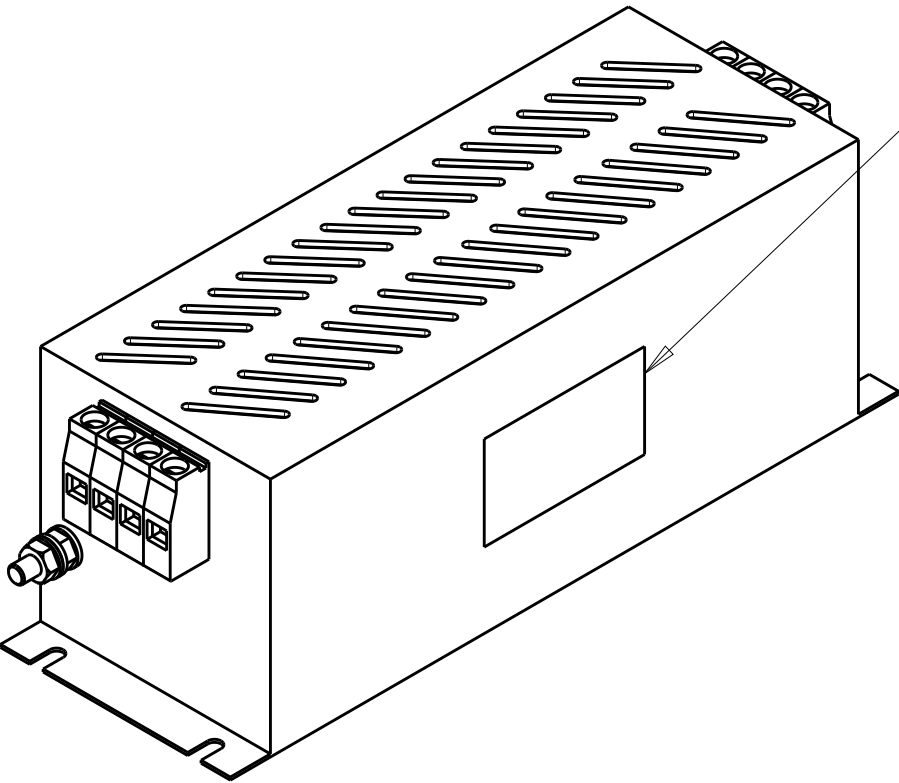


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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	40	55	56	52	48	34	24	12
DM	32	41	52	68	62	68	56	40	16



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\* 55A 440V 50Hz/60Hz 40°C  
CSA CERTIFIED\*\* 55A 440V 50Hz/60Hz 40°C  
\*31 JULY 2020 ; \*\*31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 55A, 440VAC  
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 6mA @ 230VAC, 50Hz

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -25°C TO +40°C

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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: 0.6mH

CAPACITANCE @ 1kHz  
NEUTRAL TO GROUND, NOMINAL: 1μF  
LINE TO NEUTRAL, NOMINAL: 2μF


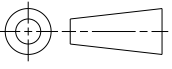
DISCHARGE RESISTOR  
L/L I.R. 2MΩ 1W  
L/N I.R. 1.5MΩ 1W  
L/G I.R. 2MΩ 1W  
N/G I.R. 680kΩ 1W  
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

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 27FEB2020 SHRIC HARANA B	 TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK 27FEB2020 LEO IRUDHAYARAJ			
		APVD 27FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
	0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.130 3 PLC ±0.0500 4 PLC ANGLES ±0.5	APPLICATION SPEC	NAME POWER LINE FILTER 55KEPS10ABSW		
		WEIGHT			
MATERIAL	FINISH	CUSTOMER DRAWING	SIZE A3	CAGE CODE 00779	DRAWING NO C-3-1609968-3
			SCALE 1:2	SHEET 1 OF 2	REV B

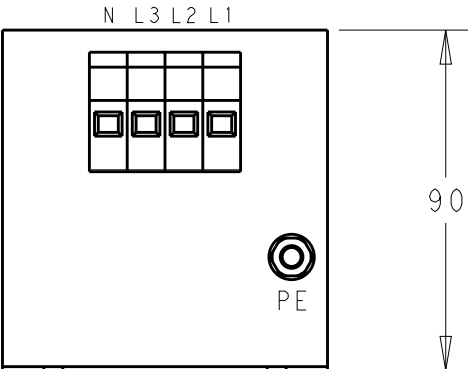
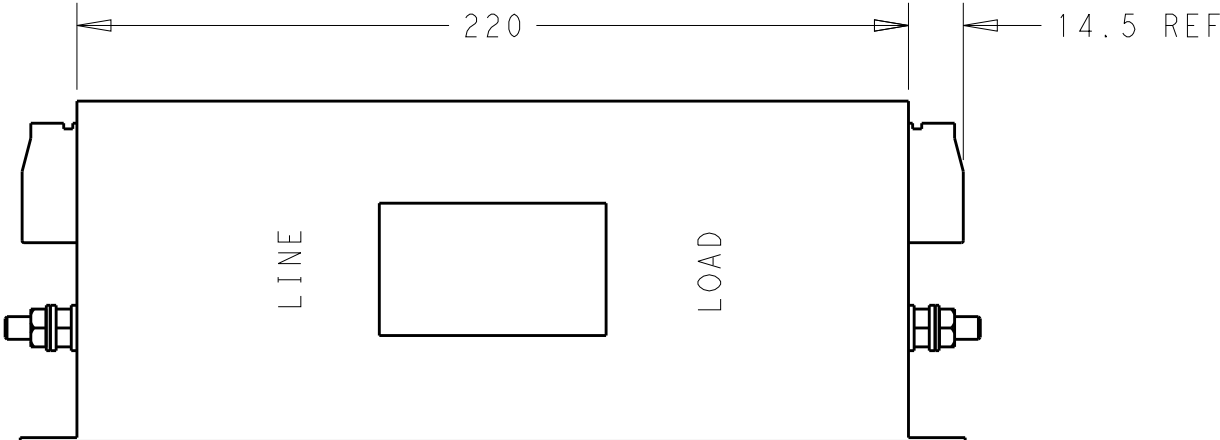
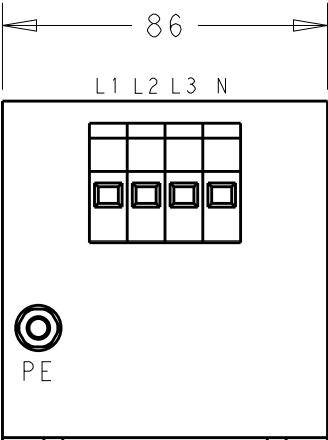
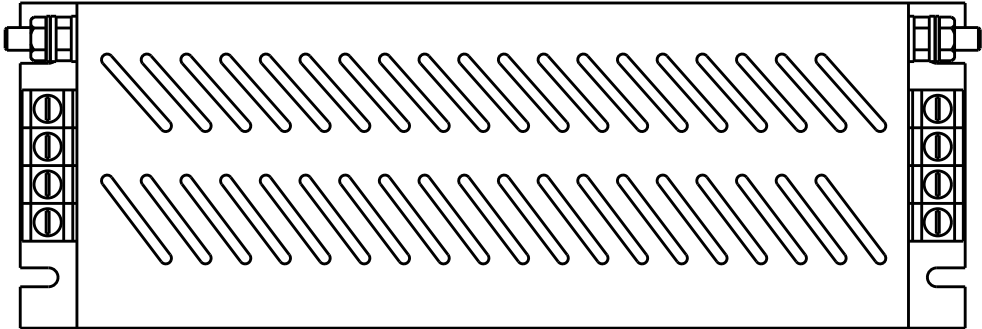
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NOTE 1 GROUND CONNECTION:  
DO NOT LOOSEN INNER GROUND NUTS.  
TORQUE OUTER TERMINAL SCREW: 1.2Nm / 10.8 in.lbs  
TORQUE GROUND NUTS: 2.5-3Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
AWG SIZE: 26-8 AWG  
WIRE SECTION: 10 mm<sup>2</sup>  
THREADED BOLT SIZE FOR GROUND: M6

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:  
mm

MATERIAL  
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±0.5

1 PLC ±0.40

2 PLC ±0.130

3 PLC ±0.0500

4 PLC ANGLES ±0.5

FINISH  
-

DWN 27FEB2020  
SHRICARANA B

CHK 27FEB2020  
LEO IRUDHAYARAJ

APVD 27FEB2020  
LEO IRUDHAYARAJ

PRODUCT SPEC  
-

APPLICATION SPEC  
-

WEIGHT  
-

CUSTOMER DRAWING

TE Connectivity

NAME  
POWER LINE FILTER  
55KEPS10ABSW

SIZE  
A3

CAGE CODE  
00779

DRAWING NO  
C-3-1609968-3

RESTRICTED TO  
-

SCALE  
1:2

SHEET  
2 OF 2

REV  
B

1470-19 (3/13)