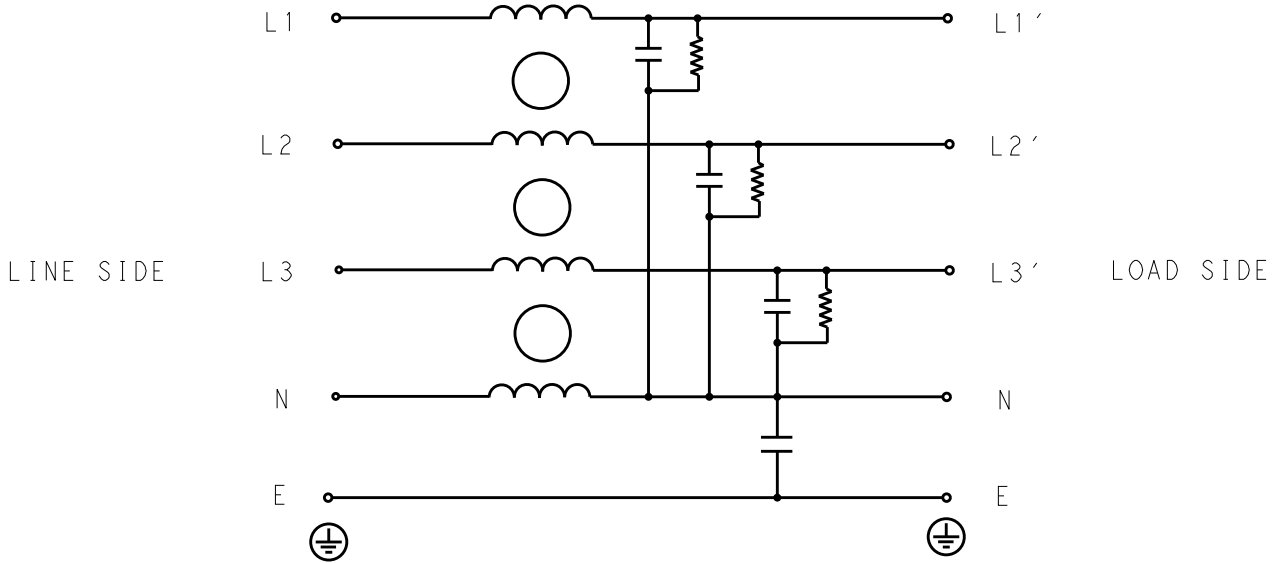


REVISIONS

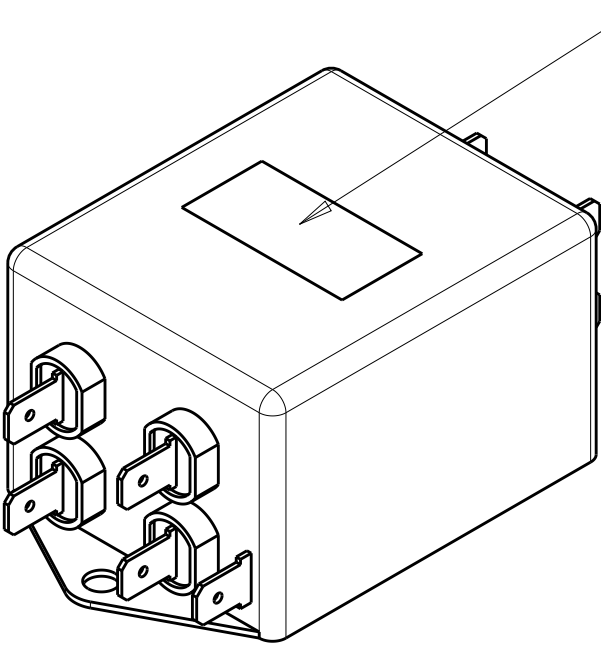
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	2	2	19	22	40	38	45	47	32
DM	4	5	26	32	29	35	37	46	44



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* 3A 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 3A 440V 50Hz/60Hz 40°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 3A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 3mA @ 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: 1mH

CAPACITANCE @ 1kHz
NEUTRAL TO GROUND, NOMINAL: 22nF
LINE TO NEUTRAL, NOMINAL: 100nF

DISCHARGE RESISTOR

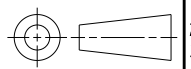
L/G I.R. 2MΩ 1W
L/L I.R. 2MΩ 1W
L/N I.R. 1MΩ 1W
N/G I.R. 680KΩ 1W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOI

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.

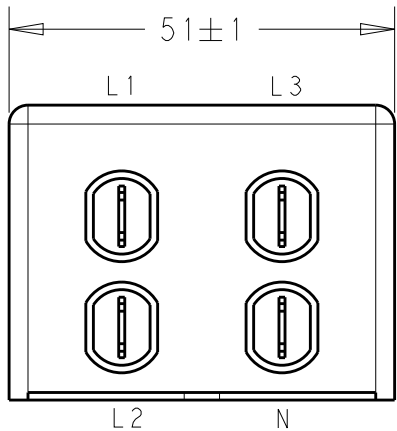
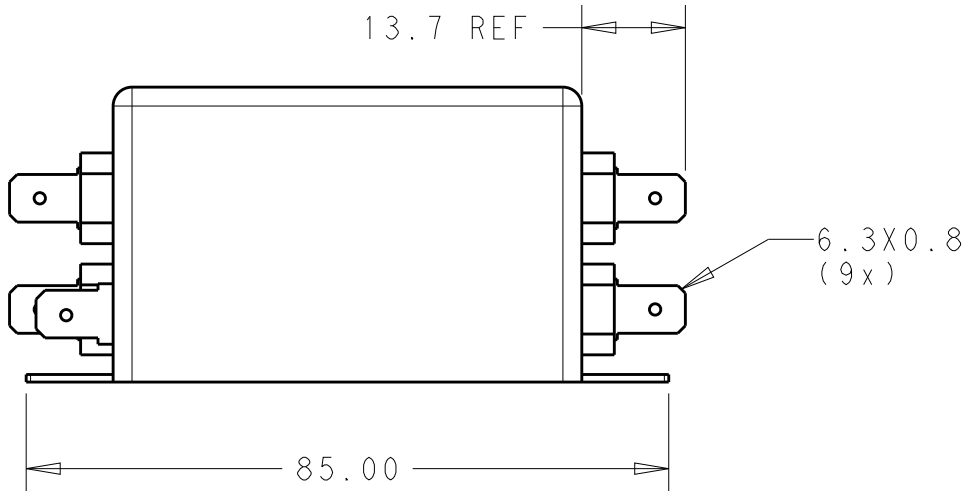
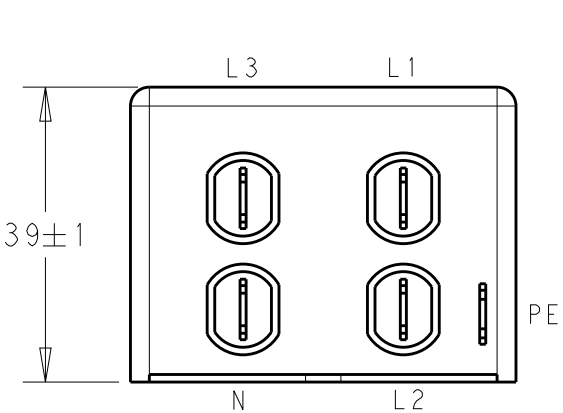
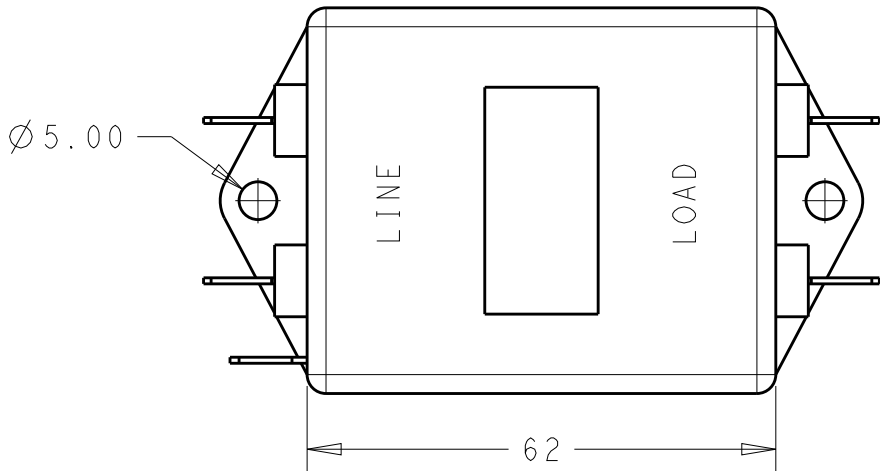
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 19FEB2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 19FEB2020 LEO IRUDHAYARAJ			
		APVD 19FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.4 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		APPLICATION SPEC	NAME POWER LINE FILTER 3KESS1AFPW		
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-1609966-1
FINISH		CUSTOMER DRAWING	SCALE 1:1	SHEET 1 OF 2	REV B

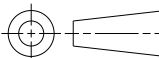
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: XXX

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B 19FEB2020		 TE Connectivity					
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 19FEB2020							
		APVD LEO IRUDHAYARAJ 19FEB2020		NAME POWER LINE FILTER 3KESS1AFPW					
		PRODUCT SPEC -							
		APPLICATION SPEC -							
		WEIGHT -							
		CUSTOMER DRAWING		SIZE A3		CAGE CODE 00779		DRAWING NO C-1-1609966-1	
MATERIAL -		FINISH -		SCALE 1:1		SHEET 2 OF 2		REV B	