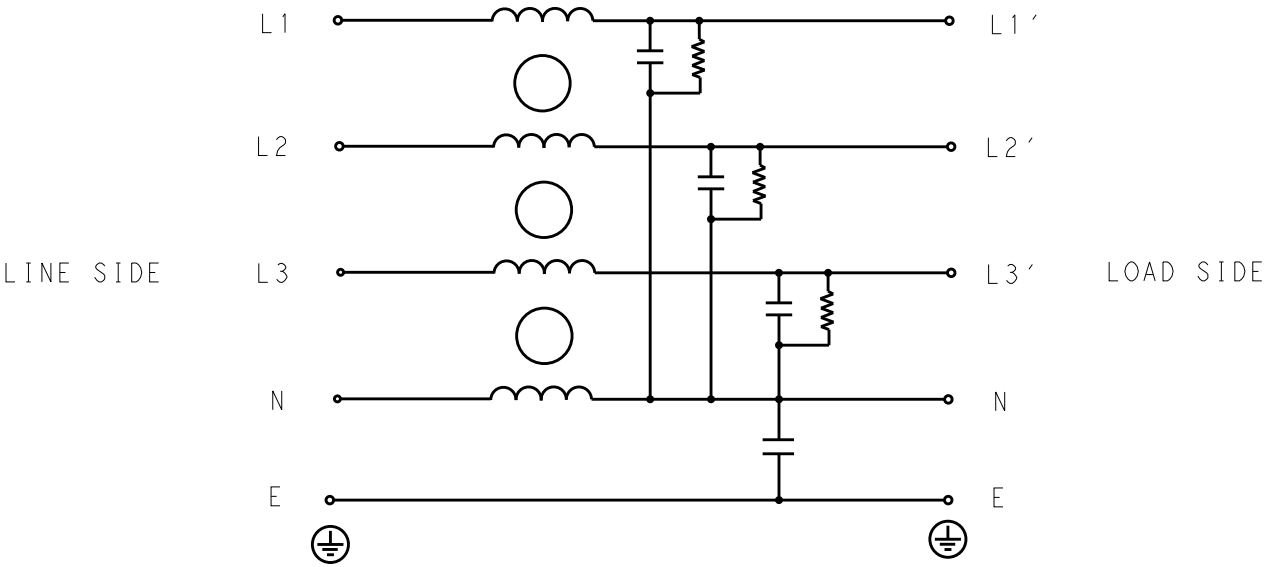


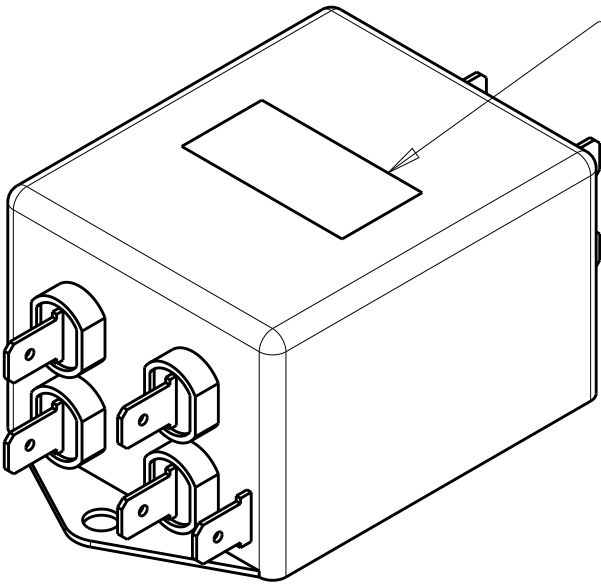
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	3	4	15	25	29	32	30	35	29
DM	4	5	17	26	30	31	32	36	40



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* 10A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 10A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 10A, 520VAC
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: 0.5mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 22nF
LINE TO NEUTRAL, NOMINAL: 100nF

DISCHARGE RESISTOR


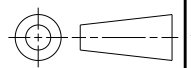
L/G I.R. 2MΩ 1W
L/L I.R. 2MΩ 1W
L/N I.R. 1MΩ 1W
N/G I.R. 680KΩ 1W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT

LINE TO GROUND FOR 1 MINUTE: 2856VDC
LINE TO LINE FOR 1 MINUTE: 2236VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1290VDC

FILTER APPROVAL

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

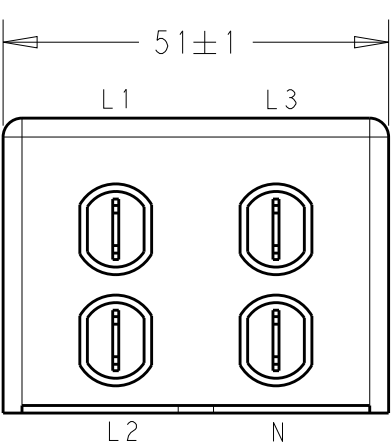
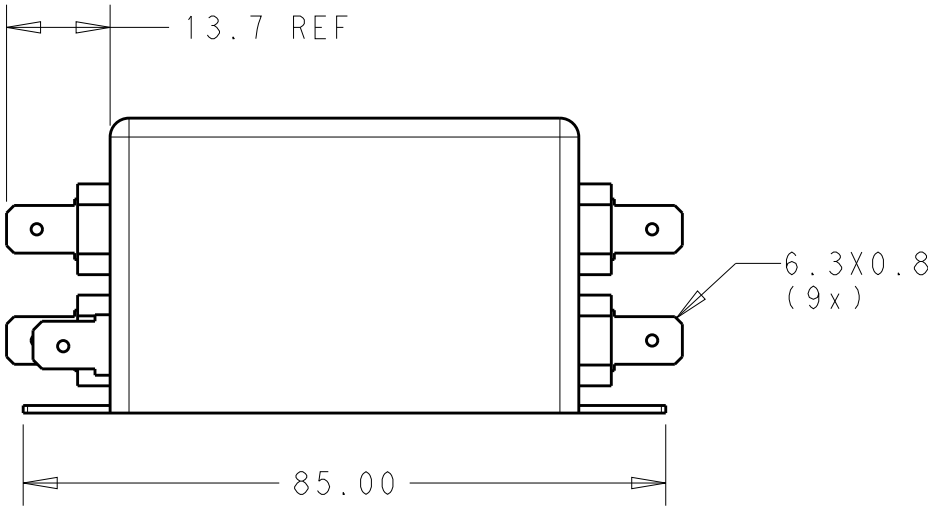
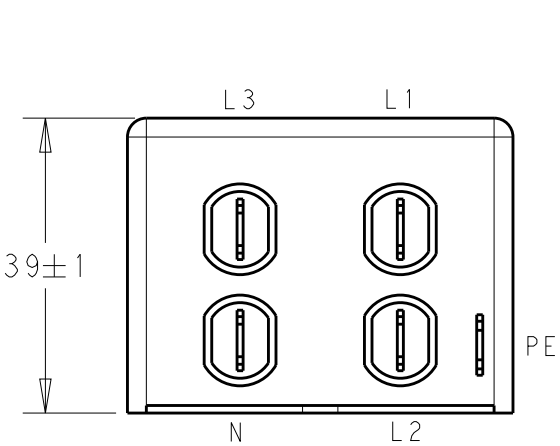
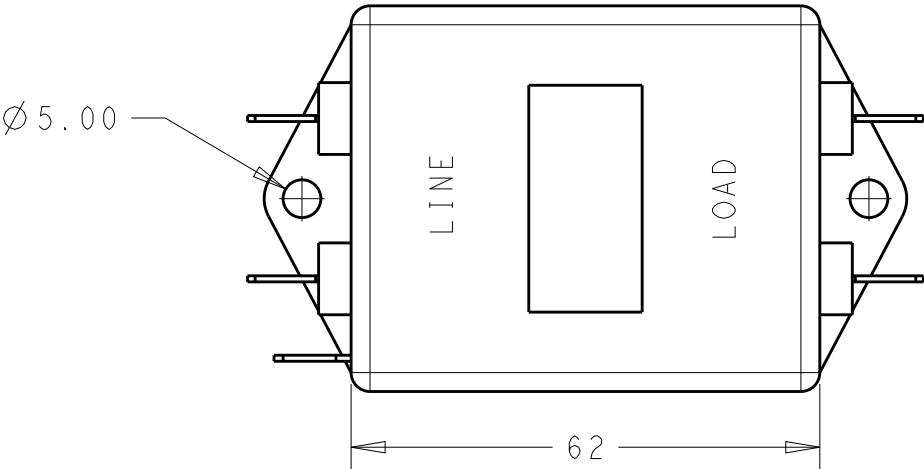
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 19FEB2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 19FEB2020 LEO IRUDHAYARAJ			
		APVD 19FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±0.5 1 PLC ±0.40 2 PLC ±0.130 3 PLC ±0.0500 4 PLC ANGLES ±0.0500		APPLICATION SPEC	NAME POWER LINE FILTER 10KESS1BFPW		
MATERIAL		WEIGHT	SIZE	CAGE CODE	DRAWING NO
-		-	A300779	C-4-1609966-3	RESTRICTED TO
FINISH		CUSTOMER DRAWING	SCALE	SHEET	REV
-			1:1	1 OF 2	B


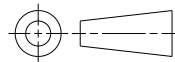
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

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



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 19FEB2020 SHRICHARANA B	<div>TE Connectivity</div>			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK 19FEB2020 LEO IRUDHAYARAJ				
		APVD 19FEB2020 LEO IRUDHAYARAJ				
		PRODUCT SPEC -	NAME POWER LINE FILTER 10KESS1BFPW			
		APPLICATION SPEC -				
MATERIAL - -	FINISH - -	WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609966-3	RESTRICTED TO -
		CUSTOMER DRAWING				SCALE 1:1