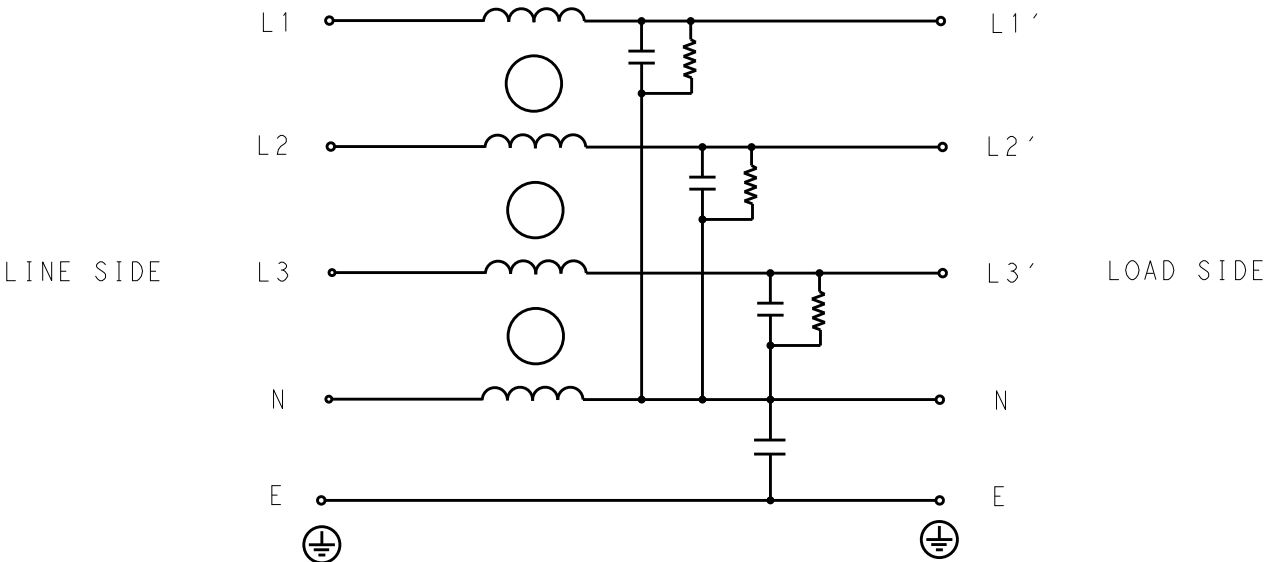


REVISIONS

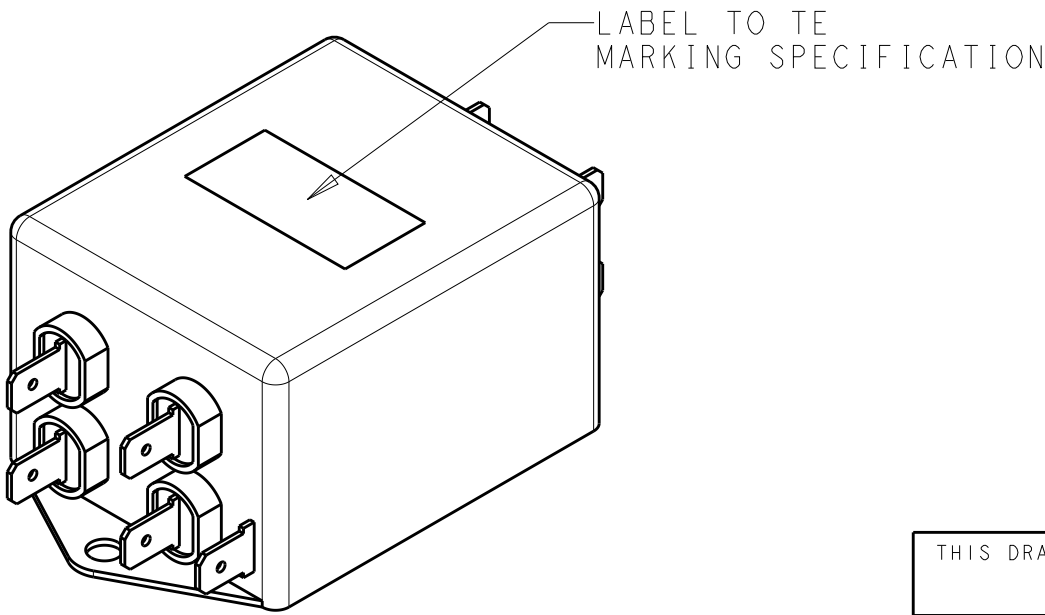
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	4	5	13	19	28	35	40	45	31
DM	4	3	15	25	30	38	45	51	49



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* 6A 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 6A 440V 50Hz/60Hz 40°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 6A, 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: 0.5mH

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

DISCHARGE RESISTOR

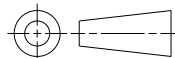
L/G I.R. 2MΩ 1W
L/L I.R. 2MΩ 1W
L/N I.R. 1MΩ 1W
N/G I.R. 680KΩ 1W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT

LINE TO GROUND FOR 1 MINUTE: 2632VDC
LINE TO LINE FOR 1 MINUTE: 1892VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1093VDC

FILTER APPROVAL

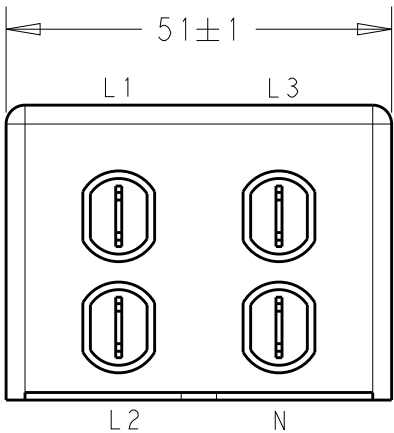
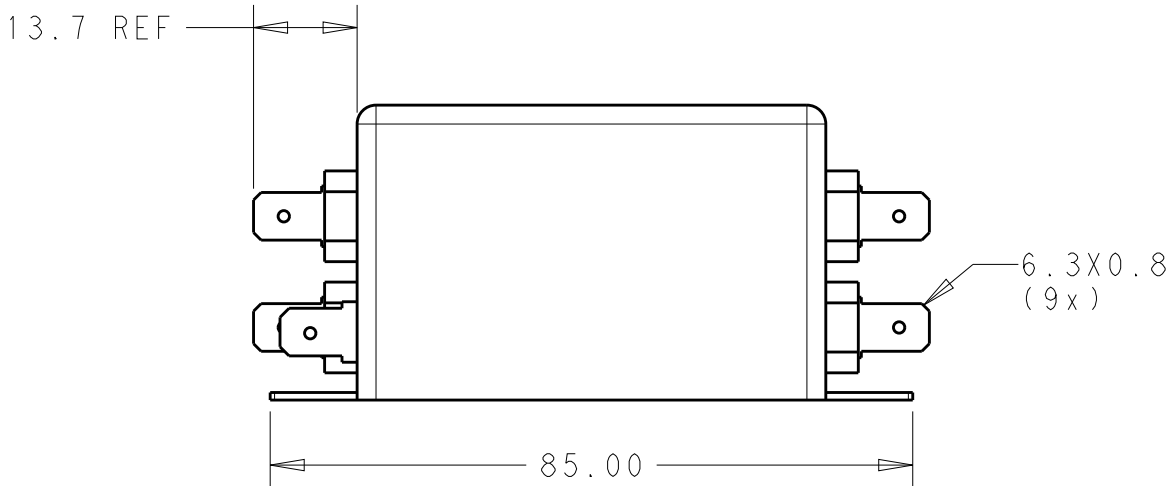
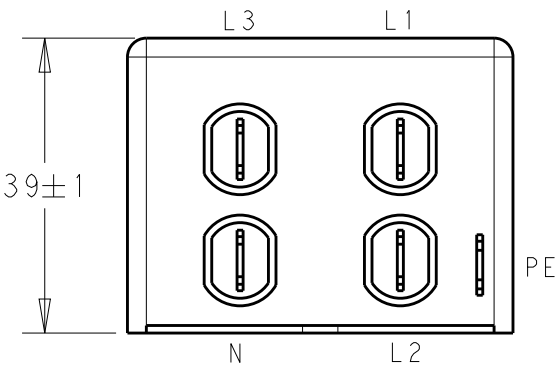
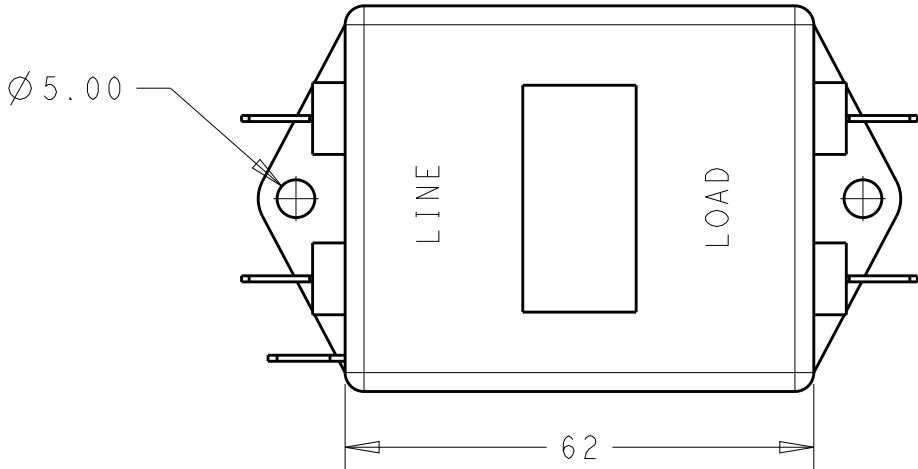
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 19FEB2020 SHRIC HARANA B	TE Connectivity				
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-	CHK 19FEB2020 LEO IRUDHAYARAJ					
		APVD 19FEB2020 LEO IRUDHAYARAJ					
		PRODUCT SPEC -	NAME POWER LINE FILTER 6KESS1AFPW				
		APPLICATION SPEC -					
		MATERIAL - -	FINISH - -	WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-1609966-2
CUSTOMER DRAWING					SCALE 1:1	SHEET 1 OF 2	REV B

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

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 19FEB2020 SHRICHARANA B	TE Connectivity NAME POWER LINE FILTER 6KESS1AFPW		
DIMENSIONS: mm		CHK 19FEB2020 LEO IRUDHAYARAJ			
		APVD 19FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
		WEIGHT	A300779C-1-1609966-2		
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 1:1	SHEET 2 OF 2	REV B