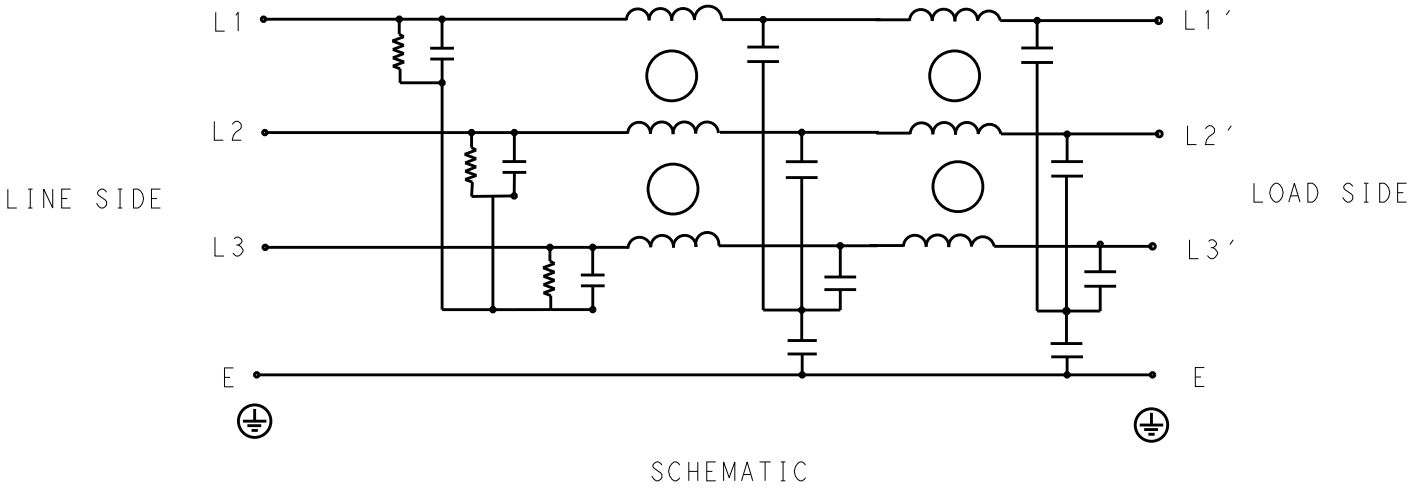
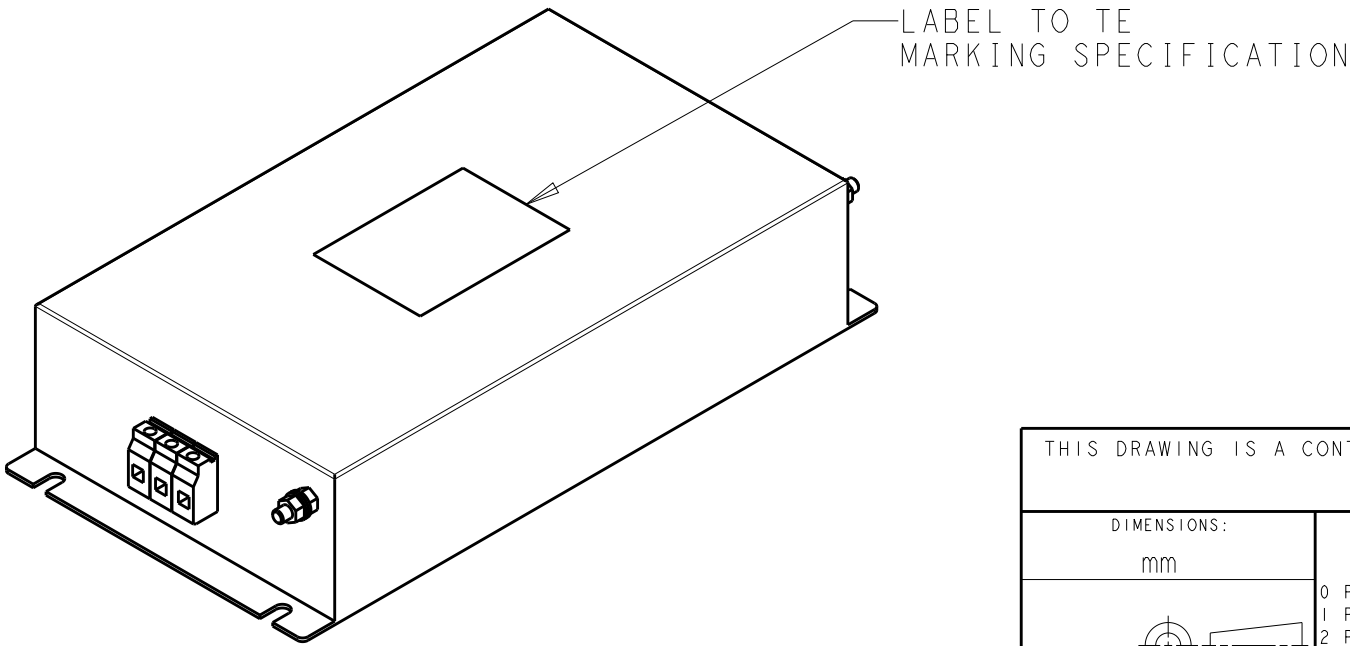


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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	41	44	55	72	67	58	51	38	21
DM	48	46	60	79	79	59	45	20	26



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* 20A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 20A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 20A, 520VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 5mA @ 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: 9mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 0.365μF
LINE TO LINE, NOMINAL: 3.75μF

DISCHARGE RESISTOR

L/L I.R. 1MΩ 1W
L/N I.R. XXX
L/G I.R. 1MΩ 1W
N/G I.R. XXX

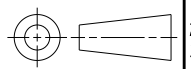
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT

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

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 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 27FEB2020 LEO IRUDHAYARAJ			
		APVD 27FEB2020 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 20KEHD10BFPD		
MATERIAL		WEIGHT	SIZE	CAGE CODE	DRAWING NO
-		-	A3	00779	C-4-1609969-2
FINISH		CUSTOMER DRAWING	SCALE	SHEET	REV
-			2:5	1 OF 2	B

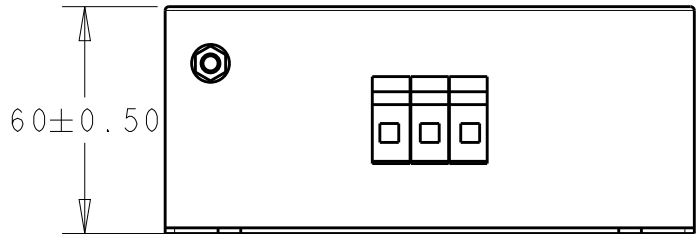
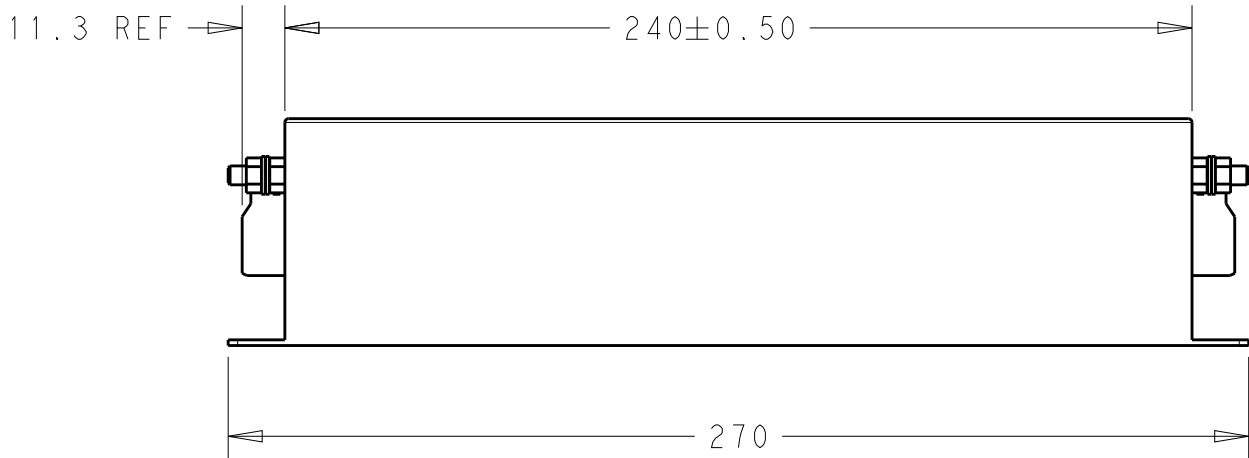
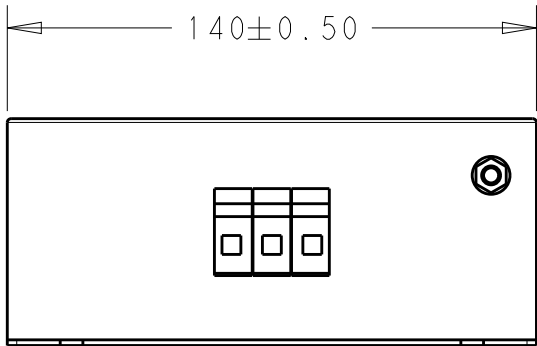
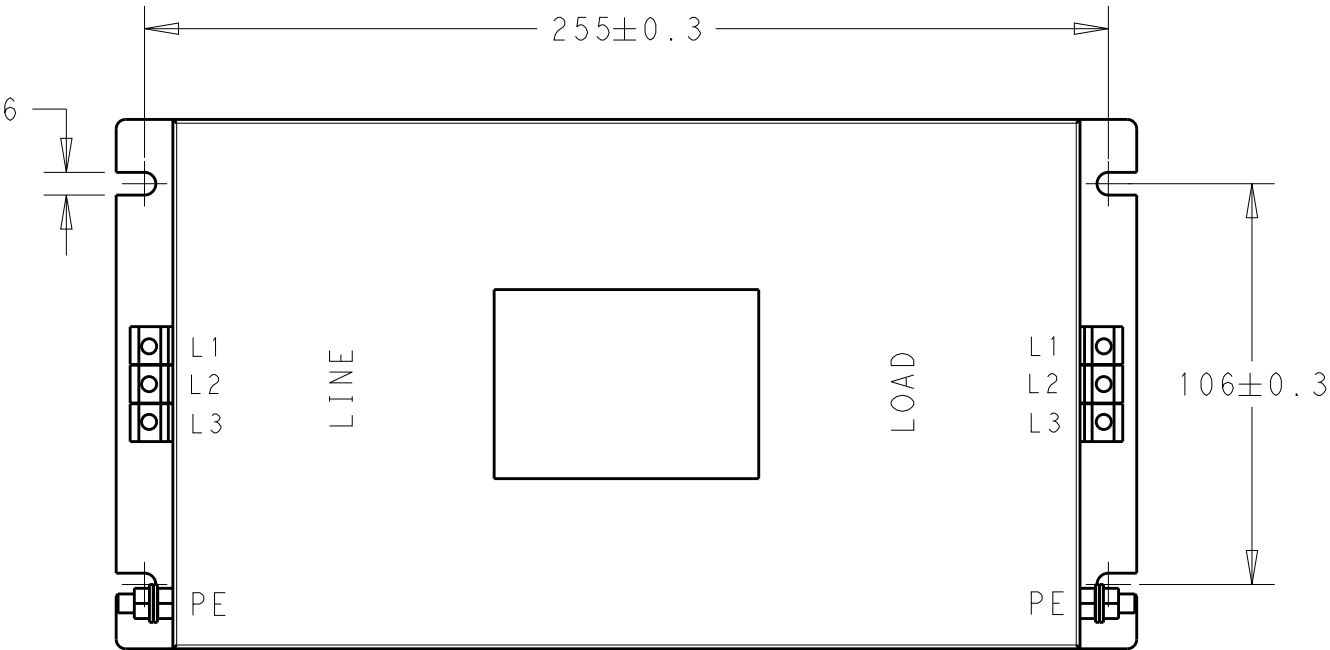
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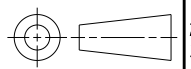
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 26-12 AWG
WIRE SECTION: 4 mm²
THREADED BOLT SIZE FOR GROUND: M5

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B 27FEB2020	 TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 27FEB2020			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD LEO IRUDHAYARAJ 27FEB2020	NAME POWER LINE FILTER 20KEHD10BFPD		
		PRODUCT SPEC -	SIZE A3		
MATERIAL -		APPLICATION SPEC -	CAGE CODE 00779		
FINISH -		WEIGHT -	DRAWING NO C-4-1609969-2		
CUSTOMER DRAWING		SCALE 1:2		SHEET 2 OF 2	REV B