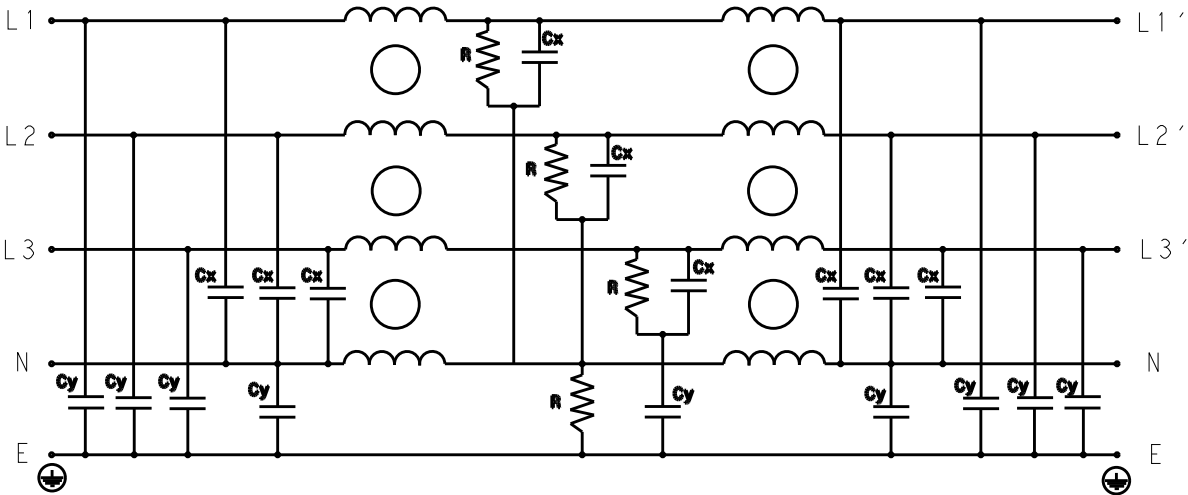


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI

LINE SIDE

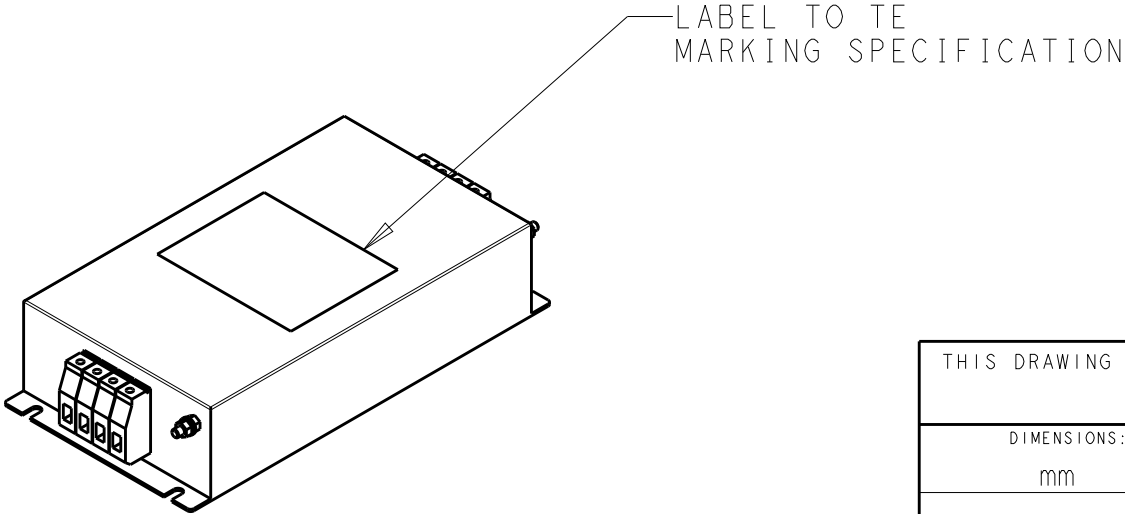
LOAD SIDE



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	55	55	58	54	49	41	36	31	20
DM	37	38	44	52	48	41	33	29	22



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 440V 50Hz/60Hz 50 °C
CSA CERTIFIED ** 10A 440V 50Hz/60Hz 50 °C
* 31 JULY 2020 ; ** 31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 10A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 10mA @ 230VAC, 50Hz

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -10 °C TO +50 °C

IN AN AMBIENT, T_a, HIGHER THAN 50 °C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{105 - T_a}{55}}$$

RELIABILITY SPECIFICATIONS

STORAGE TEMPERATURE: -40 °C TO +85 °C
HUMIDITY: 21 DAYS @ 40 °C AND 95% RH

TEST SPECIFICATIONS

INDUCTANCE, NOMINAL: 15mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 1.61μF
NEUTRAL TO GROUND, NOMINAL: 3.3μF
LINE TO NEUTRAL, NOMINAL: 3μF

DISCHARGE RESISTOR

L/L I.R. 2MΩ 1W
L/N I.R. 1MΩ 1W
L/G I.R. 2MΩ 1W
N/G I.R. 1MΩ 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 SHRICARANA B 24FEB2020	TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 24FEB2020			
		APVD LEO IRUDHAYARAJ 24FEB2020			
		PRODUCT SPEC			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	NAME POWER LINE FILTER 10KEVD10AFPW		
0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-		-	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-1609998-0
MATERIAL -		WEIGHT -	RESTRICTED TO -		
FINISH -		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B

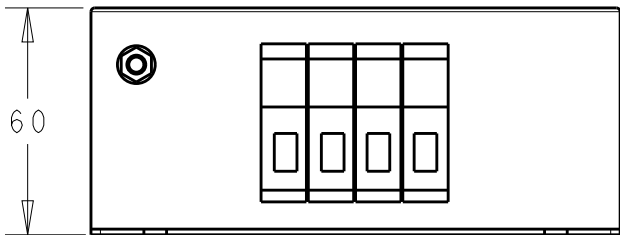
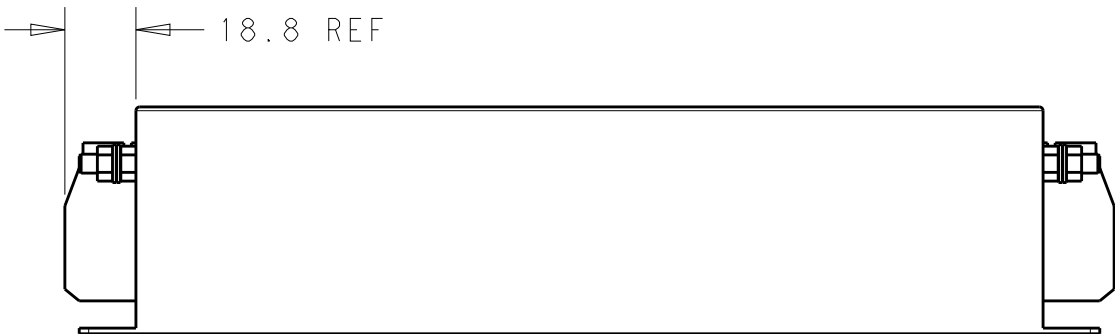
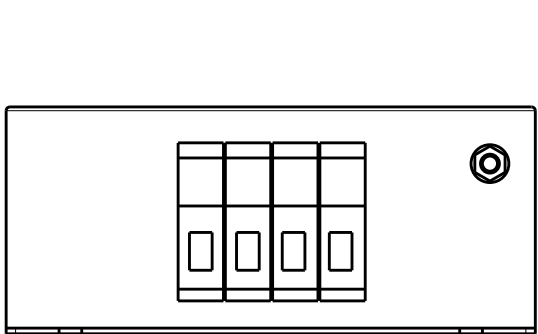
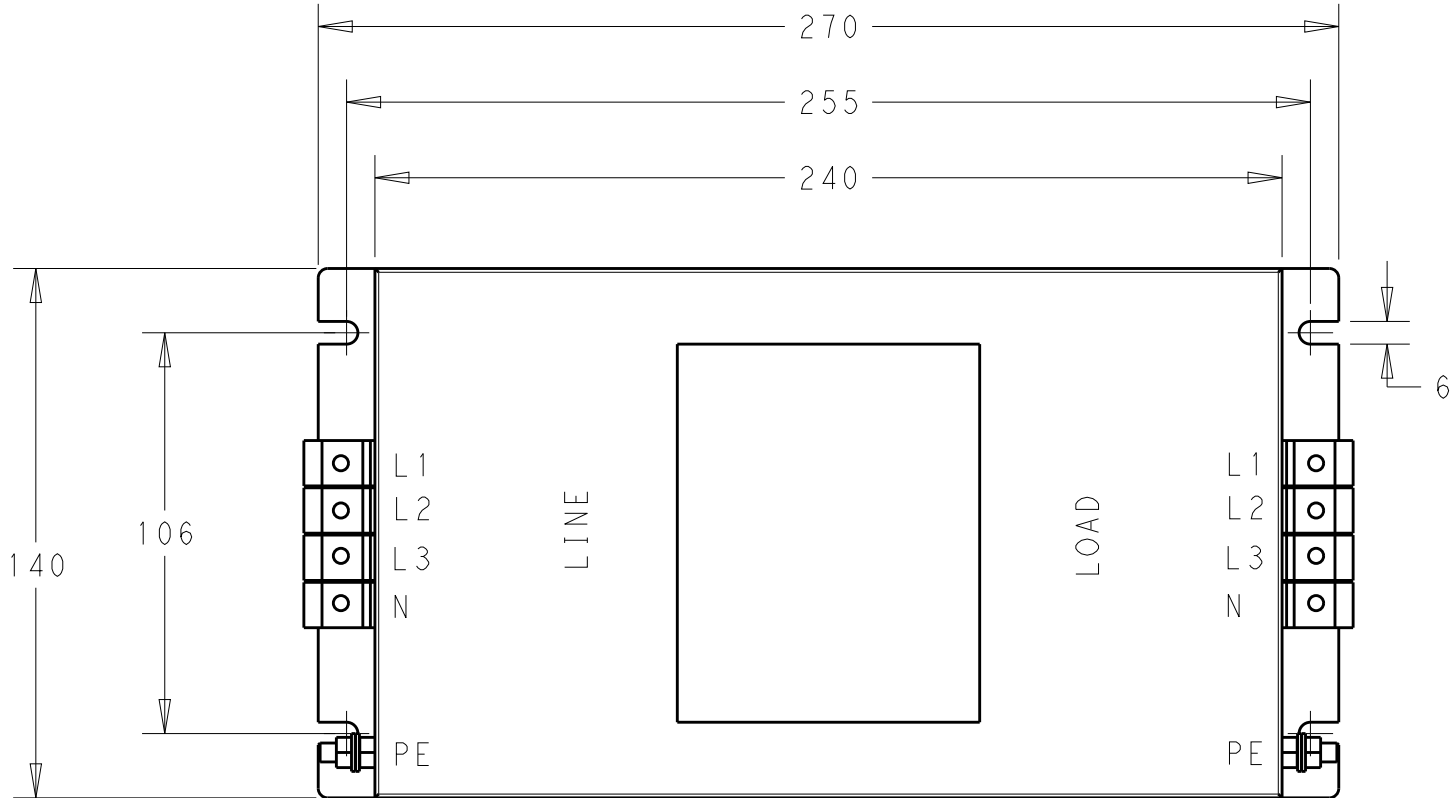
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2Nm

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.		<div><div><div>DWN24FEB2020SHRICARANA B</div><div>CHK24FEB2020LEO IRUDHAYARAJ</div><div>APVD24FEB2020LEO IRUDHAYARAJ</div></div><div>PRODUCT SPEC-</div><div>APPLICATION SPEC-</div><div>WEIGHT-</div><div>CUSTOMER DRAWING</div></div>				<div><div>TE Connectivity</div><div>NAMEPOWER LINE FILTER10KEVD10AFPW</div></div>			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.5 1 PLC ±0.40 2 PLC ±0.130 3 PLC ±0.0500 ANGLES ±	SIZEA3		CAGE CODE00779		DRAWING NOC-1-1609998-0		RESTRICTED TO-	
MATERIAL-	FINISH-	SCALE1:2		SHEET2 OF 2		REV B			