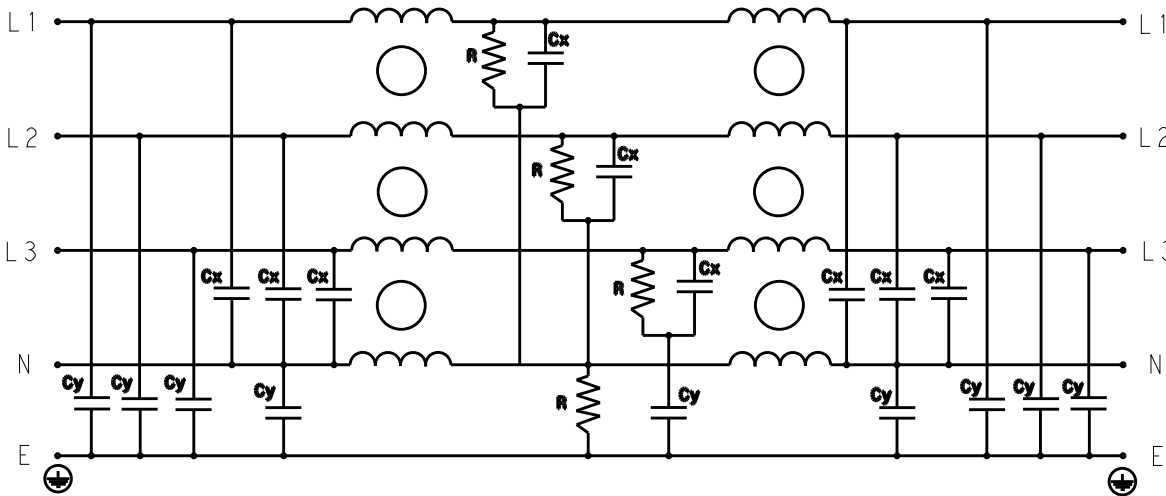


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI

LINE SIDE

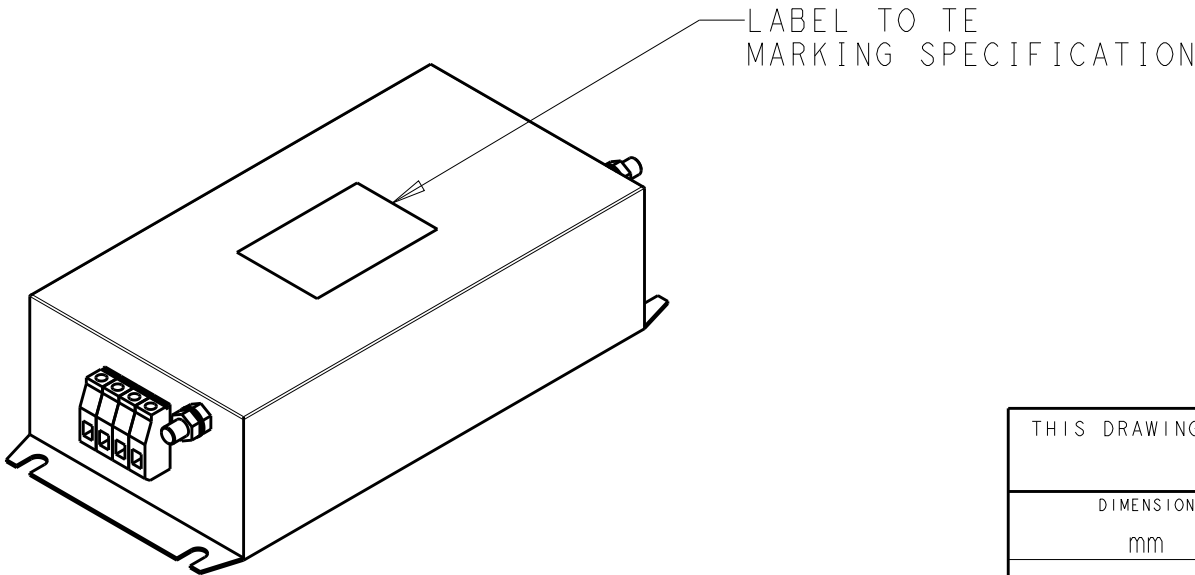
LOAD SIDE



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	56	56	57	56	51	45	39	33	30
DM	41	42	47	52	48	39	33	28	26



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* 60A 520V 50Hz/60Hz 50°C
CSA CERTIFIED** 60A 520V 50Hz/60Hz 50°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 60A, 520VAC
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: 0.7mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 2.76μF
NEUTRAL TO GROUND, NOMINAL: 3.3μF
LINE TO NEUTRAL, NOMINAL: 15μF

DISCHARGE RESISTOR


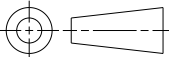
L/L I.R. 2MΩ 2W
L/N I.R. 1MΩ 2W
L/G I.R. 2MΩ 2W
N/G I.R. 1MΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

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 02MAR2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 60KEVD10BFPW		
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609998-4
		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	RESTRICTED TO REV B

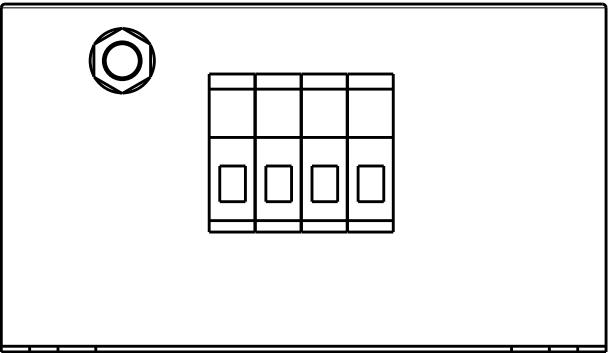
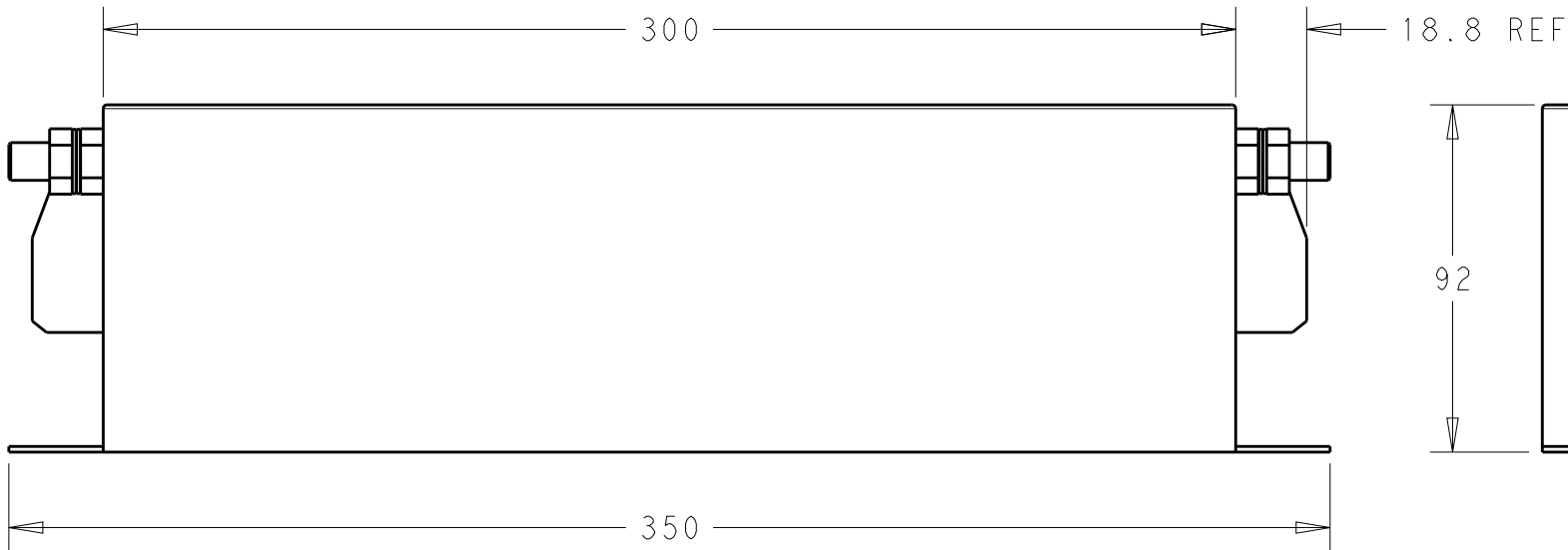
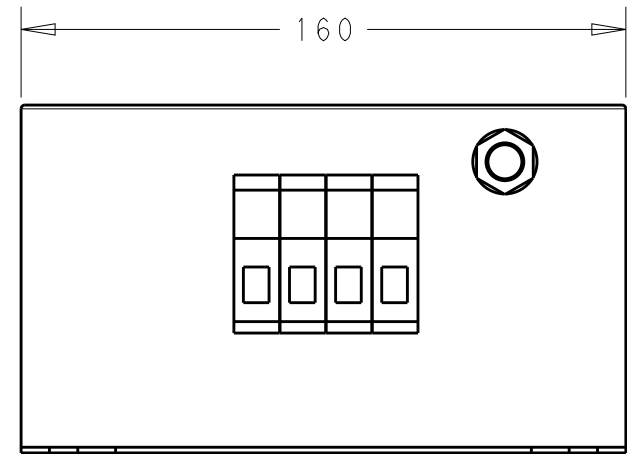
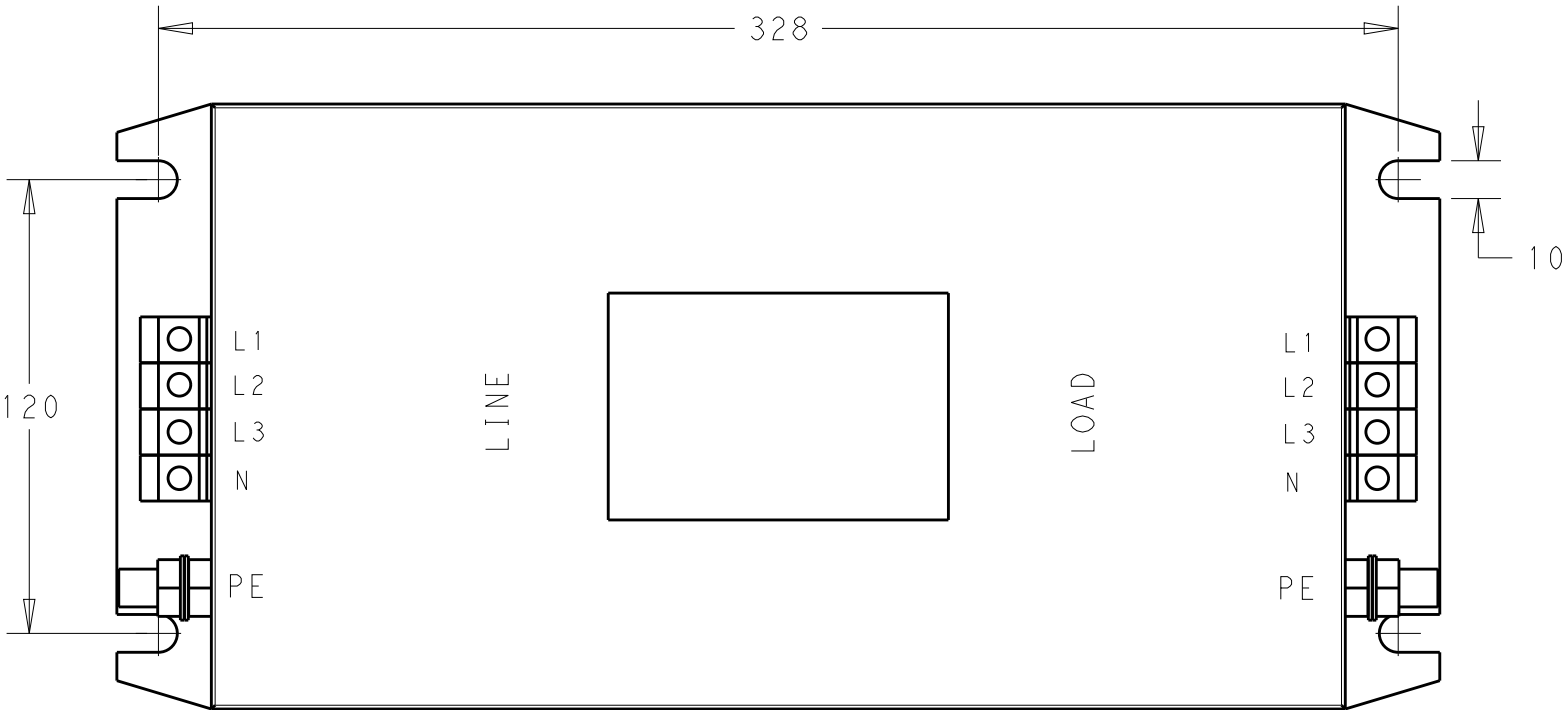
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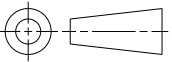
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 2-2.2Nm / 18 -19.8 in.lbs
TORQUE GROUND NUTS: 2.5-3Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 12 -8 AWG
WIRE SECTION: 16 mm²
THREADED BOLT SIZE FOR GROUND: M6



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 02MAR2020 SHRICHARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 60KEVD10BFPW		
		PRODUCT SPEC -	SIZE A300779		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	CAGE CODE C-4-1609998-4		
0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		WEIGHT -	DRAWING NO C-4-1609998-4		
MATERIAL -		FINISH -	RESTRICTED TO -		
-		CUSTOMER DRAWING	SCALE 1:2 SHEET 2 OF 2 REV B		