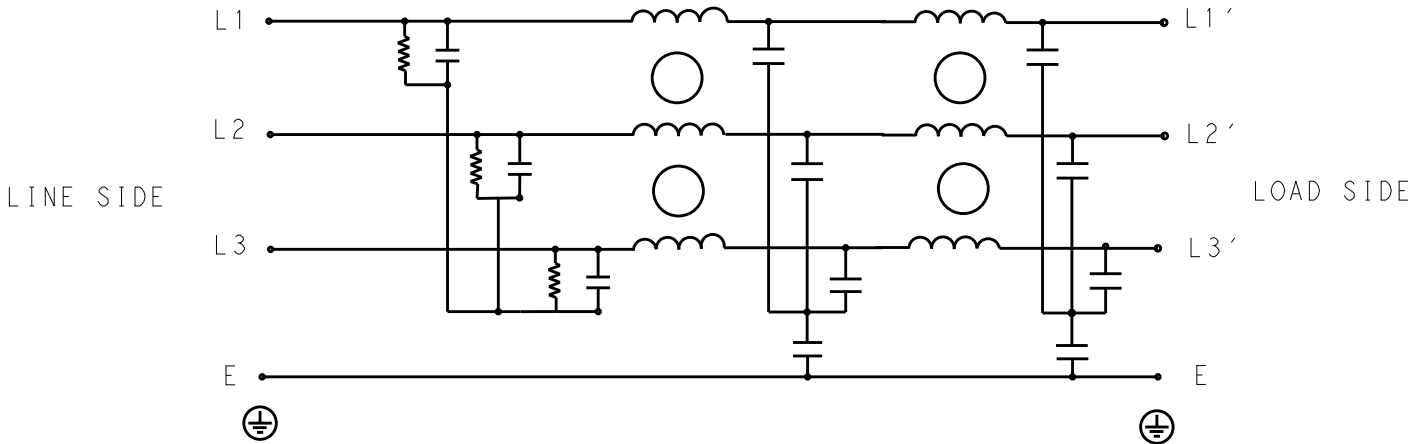
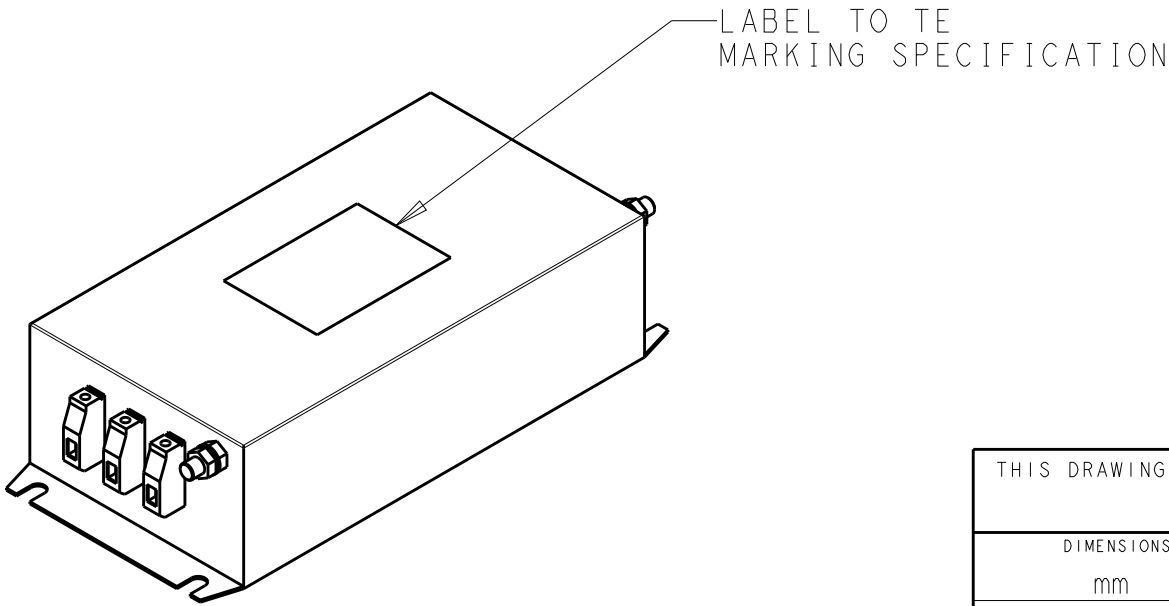


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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	10	8	37	75	65	57	50	44	28
DM	28	29	32	72	66	46	36	27	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* 80A 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 80A 440V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 80A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 10mA @ 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

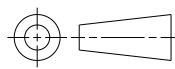
TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 0.4mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 1.46μF
LINE TO LINE, NOMINAL: 3.3μF

DISCHARGE RESISTOR
L/L I.R. 2MΩ 2W
L/N I.R. XXX
L/G I.R. 1MΩ 2W
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: 2632VDC
LINE TO LINE FOR 1 MINUTE: 1892VDC

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 SHRICHARANA B 27FEB2020	 TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 27FEB2020			
		APVD LEO IRUDHAYARAJ 27FEB2020			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±-		-	NAME POWER LINE FILTER 80KEHD10AFPD		
1 PLC ±0.5		APPLICATION SPEC			
2 PLC ±0.40		-	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-1609969-5
3 PLC ±0.130		WEIGHT	RESTRICTED TO		
4 PLC ±0.0500		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B
ANGLES ±-					
MATERIAL					
FINISH					

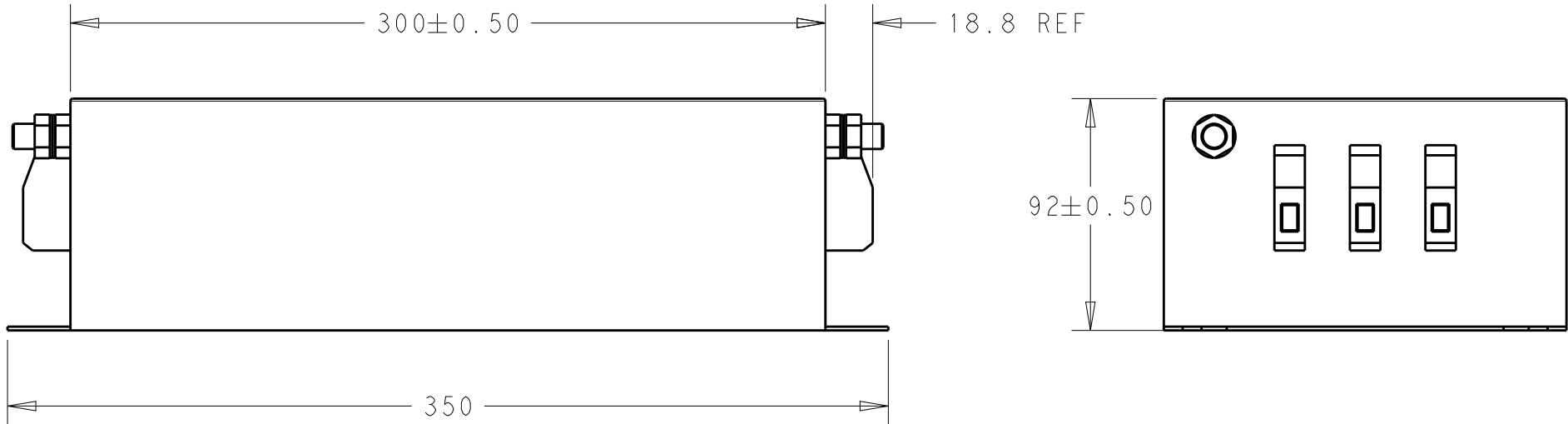
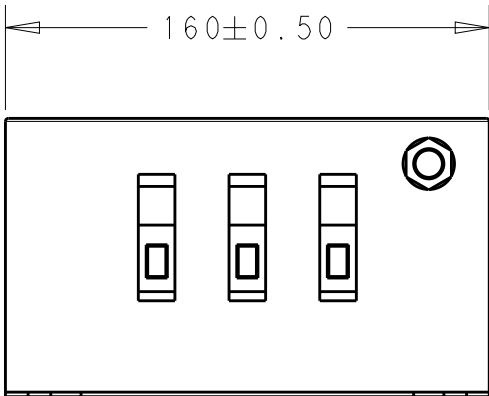
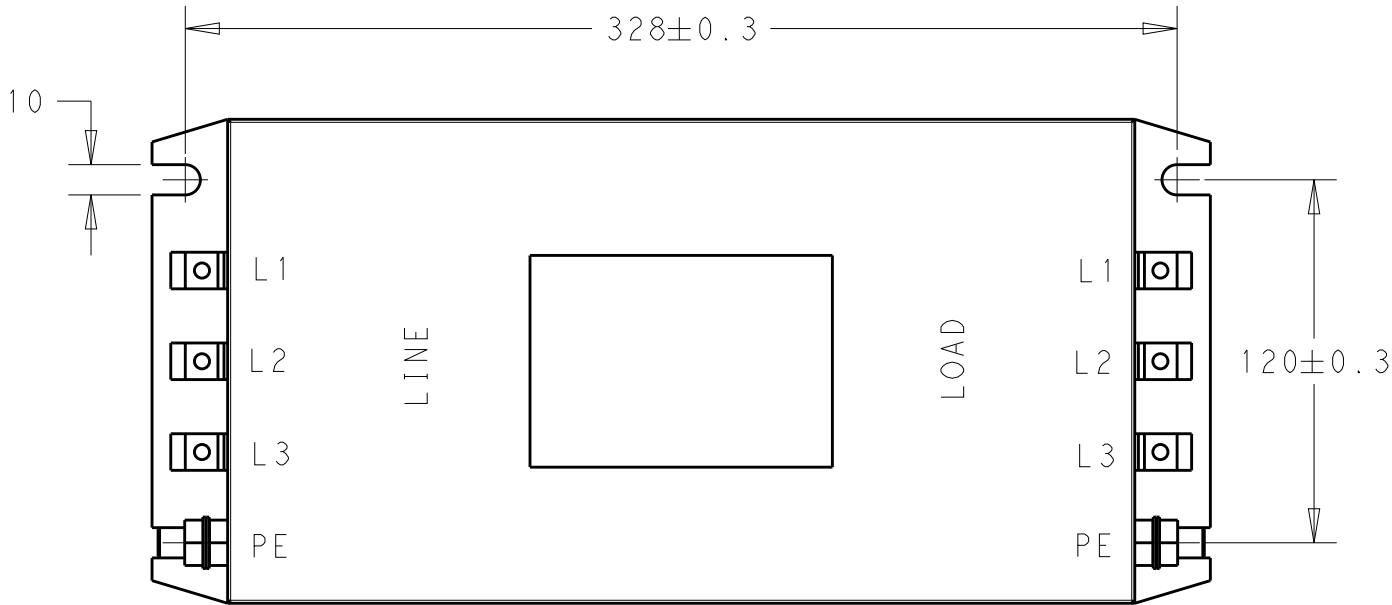
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 2 Nm / 18 in lbs
TORQUE GROUND NUTS: 3.5-6Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 8-4 AWG
WIRE SECTION: 25 mm²
THREADED BOLT SIZE FOR GROUND: M8

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 80KEHD10AFPD		
0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		PRODUCT SPEC -	SIZE A300779		
MATERIAL -		APPLICATION SPEC -	CAGE CODE C-1-1609969-5		
FINISH -		WEIGHT -	DRAWING NO C-1-1609969-5		
CUSTOMER DRAWING		SCALE 2:5		SHEET 2 OF 2	REV B