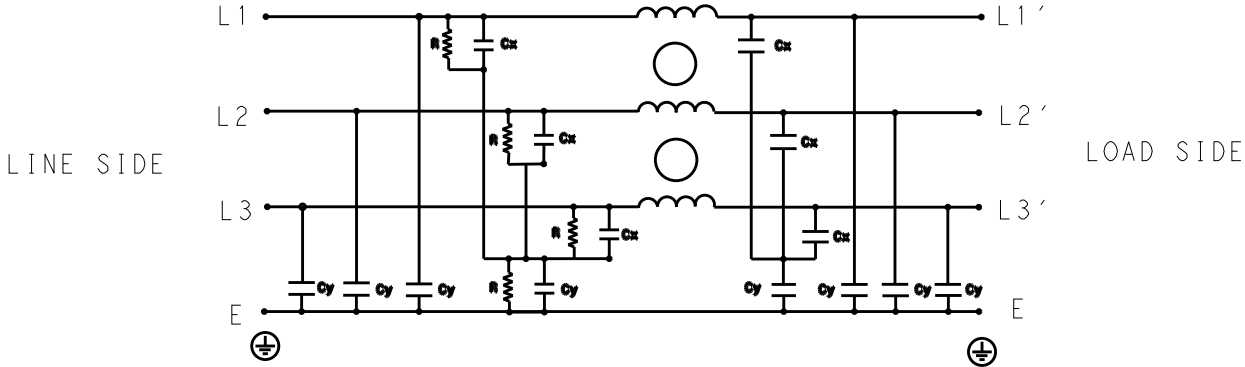


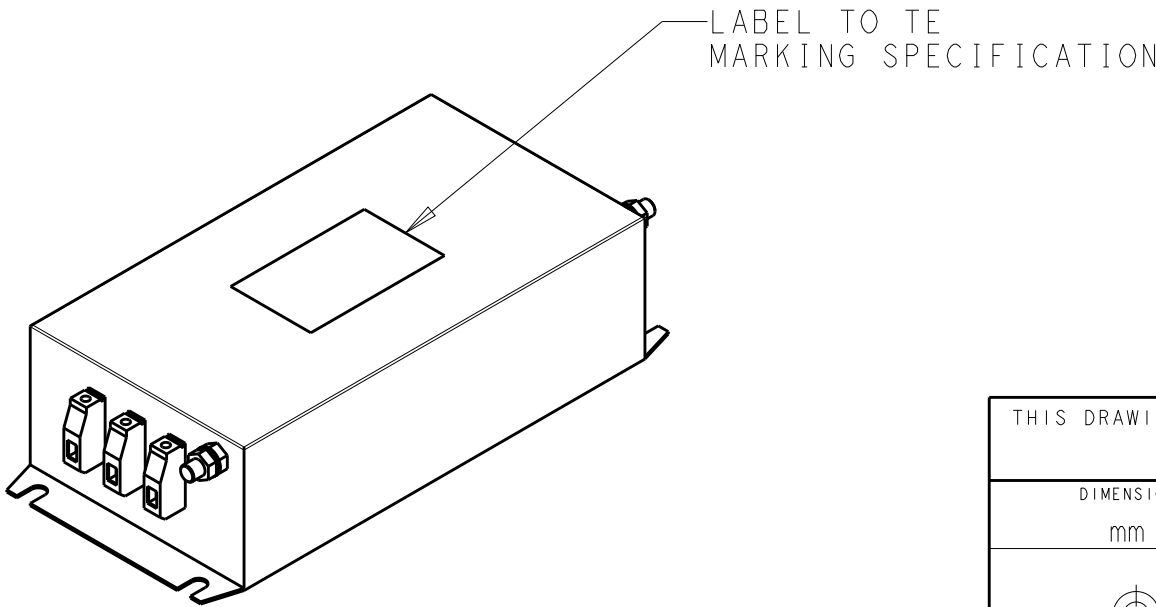
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	54	51	47	36	39	29	32	38	44
DM	50	49	50	42	45	48	49	53	58



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 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 60A 440V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

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

MAXIMUM LEAKAGE CURRENT: 18mA @ 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: 0.6mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 1.86μF
LINE TO LINE, NOMINAL: 5μF

DISCHARGE RESISTOR
L/G I.R. 1MΩ 2W
L/L I.R. 2MΩ 2W
L/N I.R. XXX
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.

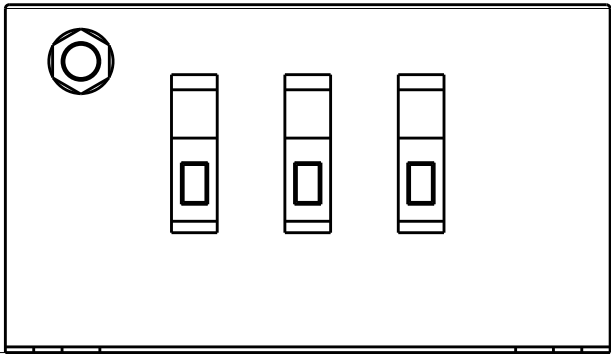
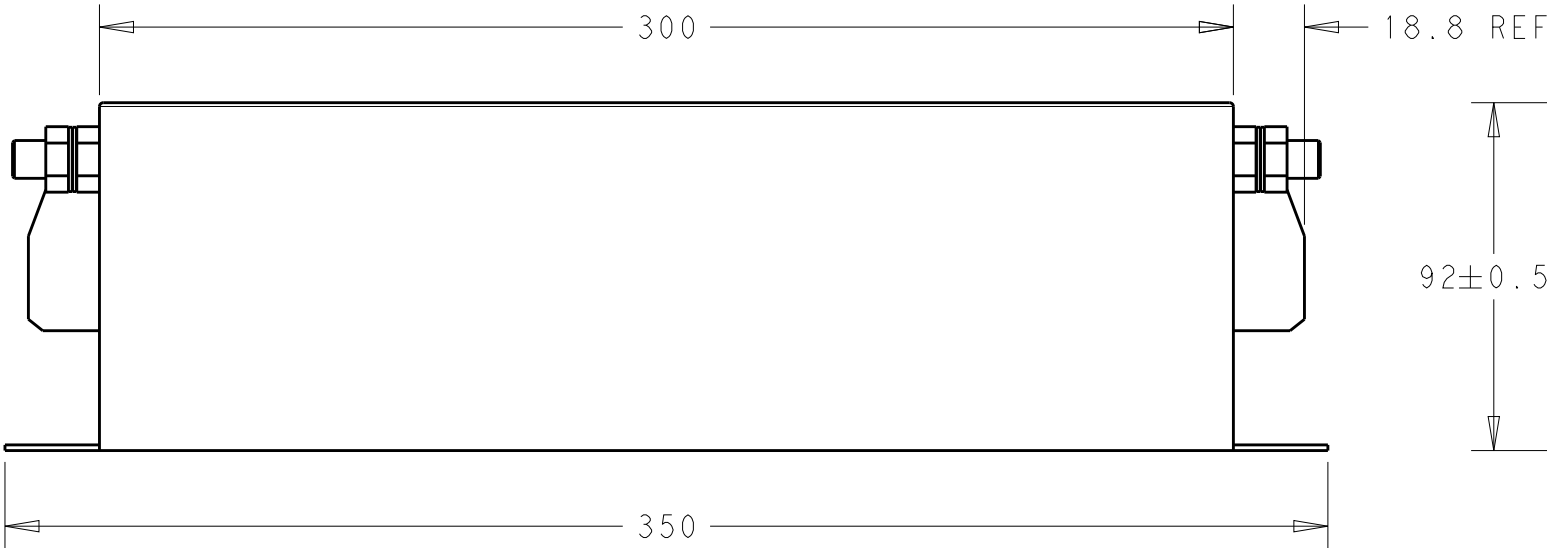
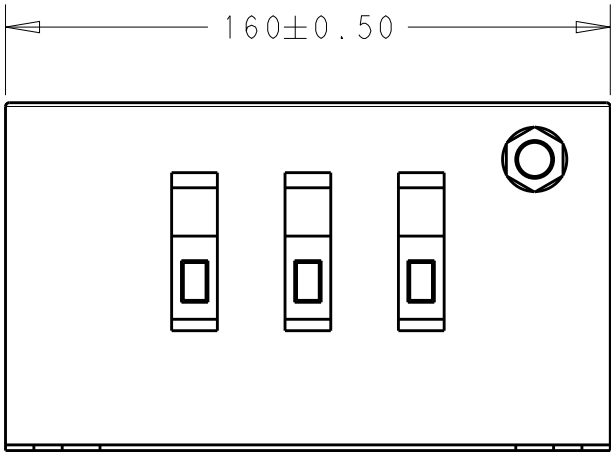
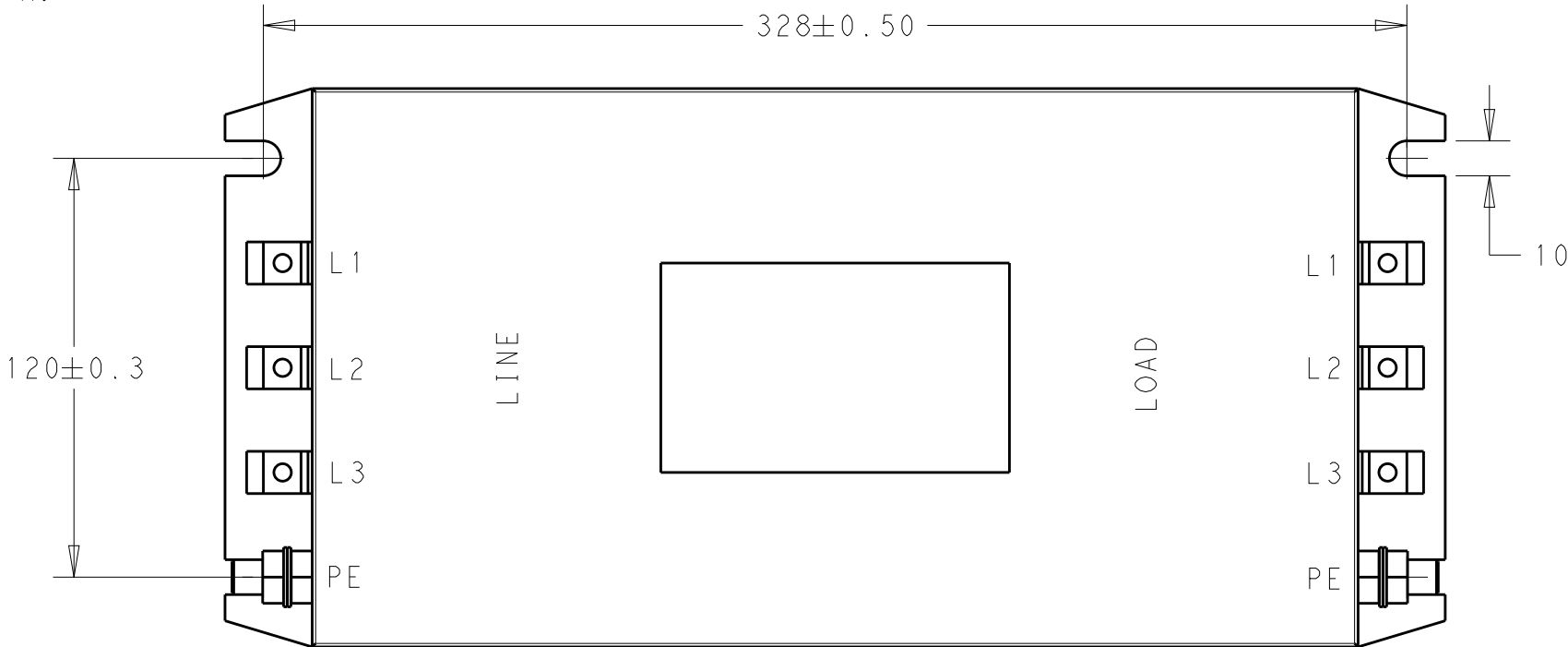
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICARANA B 03MAR2020	TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK LEO IRUDHAYARAJ 03MAR2020			
		APVD LEO IRUDHAYARAJ 03MAR2020			
		PRODUCT SPEC			
	0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.4 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5	APPLICATION SPEC	NAME POWER LINE FILTER 60KEMS10AFPD		
		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-2-1609967-0
MATERIAL	FINISH	CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	RESTRICTED TO REV B

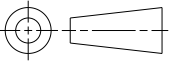
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 2-2.2Nm /18 -19.8 in.lbs
TORQUE GROUND NUTS: 2.5-3Nm

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

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 03MAR2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 03MAR2020 LEO IRUDHAYARAJ			
		APVD 03MAR2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 60KEMS10AFPD		
		PRODUCT SPEC -	SIZE A300779		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	CAGE CODE C-2-1609967-0		
MATERIAL -		WEIGHT -	RESTRICTED TO -		
FINISH -		CUSTOMER DRAWING	SCALE 1:2 SHEET 2 OF 2 REV B		