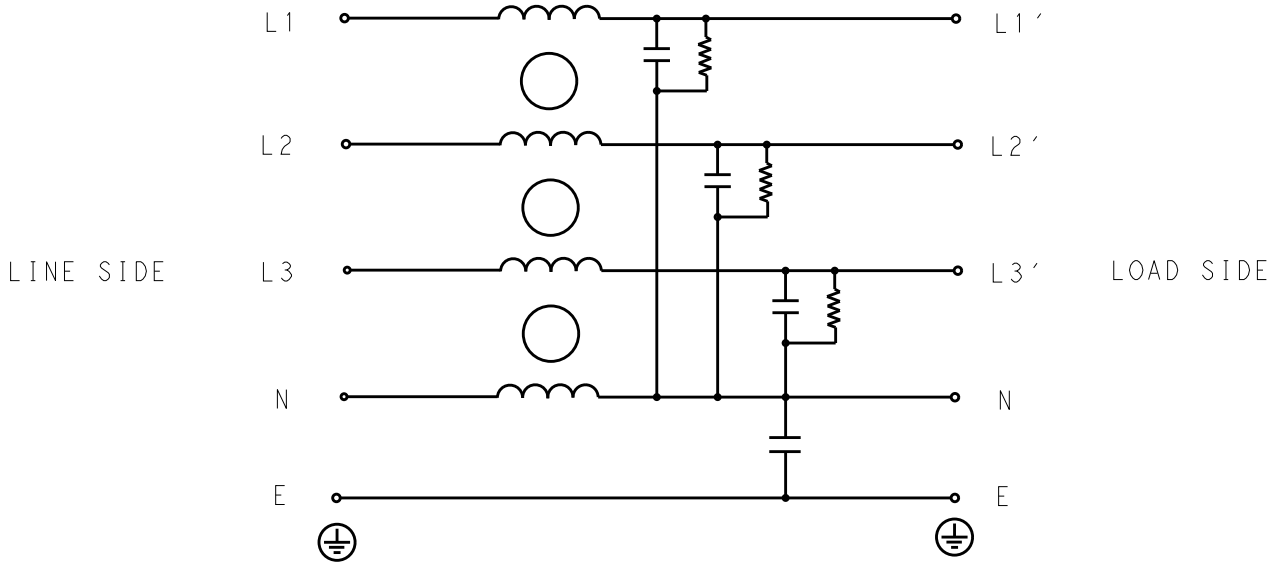


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 80A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 80A, 520VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 6mA @ 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: 0.2 mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 22nF
LINE TO NEUTRAL, NOMINAL: 5μF

DISCHARGE RESISTOR
L/G I.R. 2MΩ 2W
L/L I.R. 2MΩ 2W
L/N I.R. 1MΩ 2W
N/G I.R. 680KΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

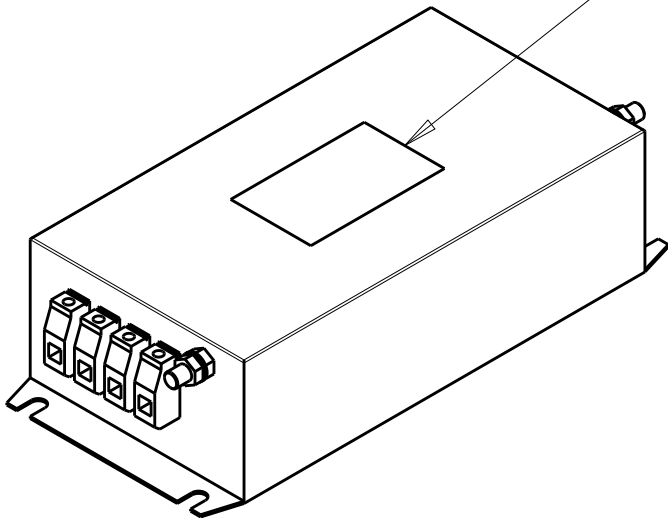
RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 2856VDC
LINE TO LINE FOR 1 MINUTE: 2236VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1290VDC

FILTER APPROVAL
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

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	5	5	8	15	20	22	35	42	45
DM	5	6	10	20	24	30	36	38	42

LABEL TO TE
MARKING SPECIFICATION

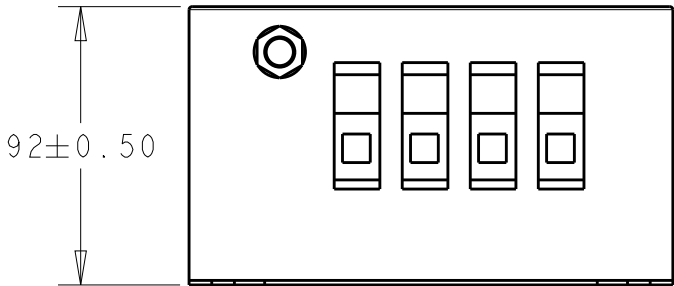
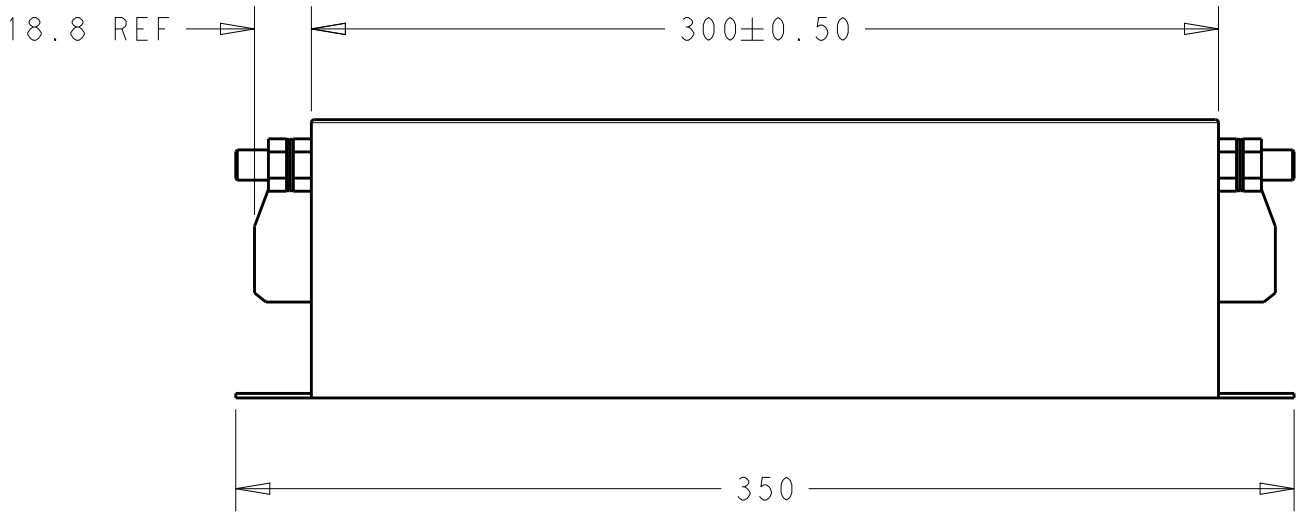
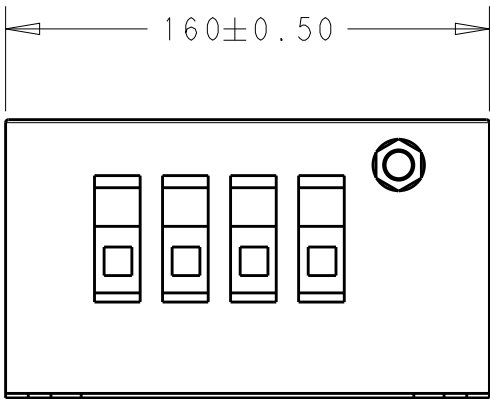
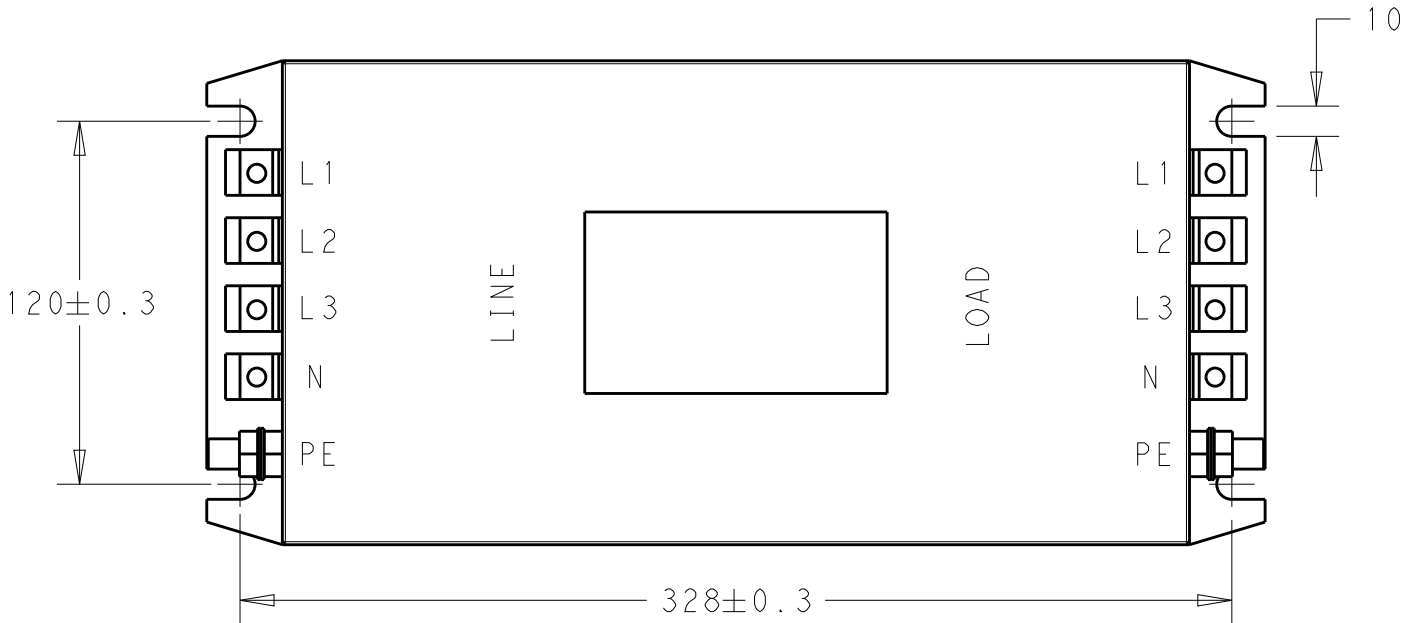


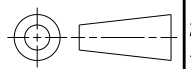
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICARANA B 20FEB2020	TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 20FEB2020			
		APVD LEO IRUDHAYARAJ 20FEB2020			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 80KESS10BFPW		
MATERIAL		WEIGHT	SIZE A300779	CAGE CODE C-5-1609966-7	RESTRICTED TO
		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B

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

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B 20FEB2020	 TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 20FEB2020			
		APVD LEO IRUDHAYARAJ 20FEB2020	NAME POWER LINE FILTER 80KESS10BFPW		
		PRODUCT SPEC -	SIZE A300779		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	CAGE CODE C-5-1609966-7		
MATERIAL -		WEIGHT -	DRAWING NO C-5-1609966-7		
FINISH -		CUSTOMER DRAWING	RESTRICTED TO -		
			SCALE 2:5		
			SHEET 2 OF 2		
			REV B		