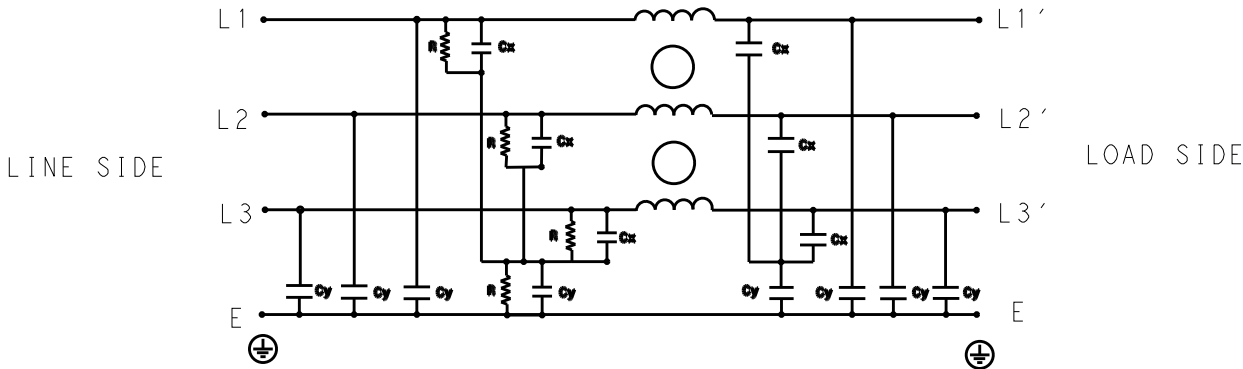


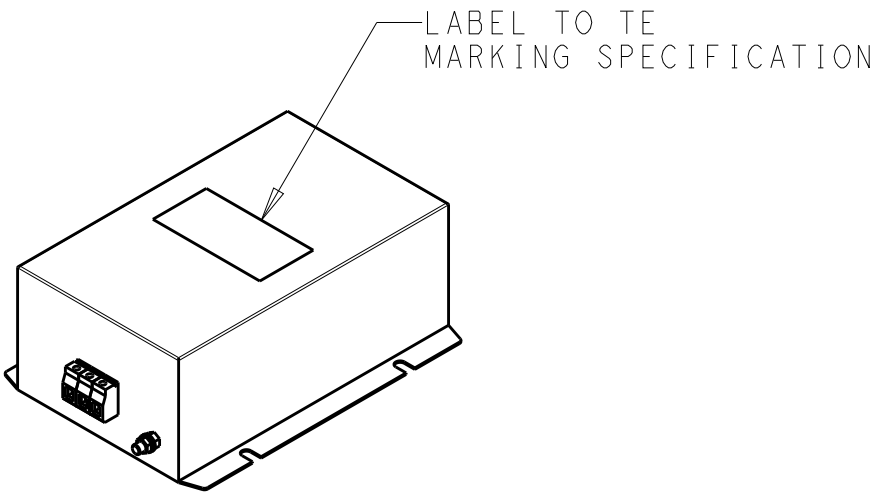
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	52	50	48	46	39	34	32	24
DM	32	34	34	50	68	62	59	50	52



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* 25A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 25A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 25A, 520VAC
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: 3.8mH

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

DISCHARGE RESISTOR

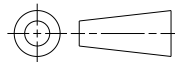
L/G I.R. 1MΩ 1W
L/L I.R. 2MΩ 1W
L/N I.R. XXX
N/G I.R. XXX
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT

LINE TO GROUND FOR 1 MINUTE: 2856VDC
LINE TO LINE FOR 1 MINUTE: 2236VDC

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 20FEB2020	 TE Connectivity				
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 20FEB2020					
		APVD LEO IRUDHAYARAJ 20FEB2020					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME POWER LINE FILTER 25KEMS10BFPD					
0 PLC ±-							
1 PLC ±0.5							
2 PLC ±0.40		PRODUCT SPEC -					
3 PLC ±0.130							
4 PLC ±0.0500							
ANGLES ±-		APPLICATION SPEC -		SIZE A3			
MATERIAL -		WEIGHT -				CAGE CODE 00779	
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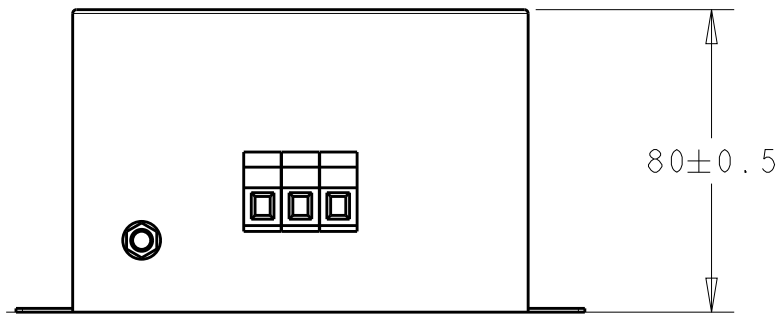
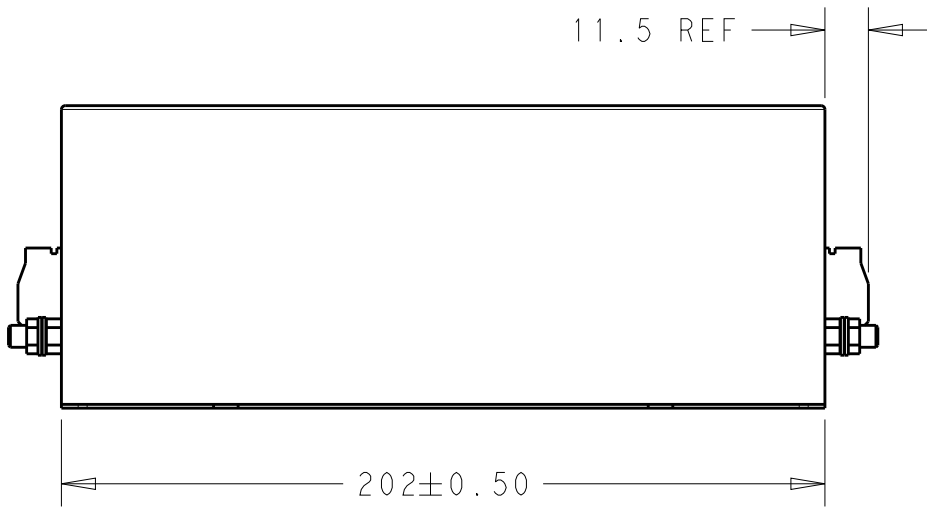
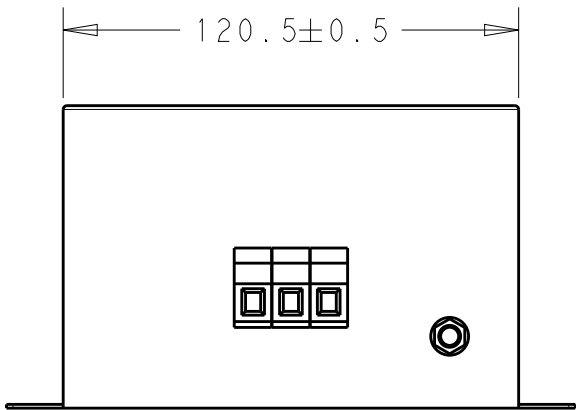
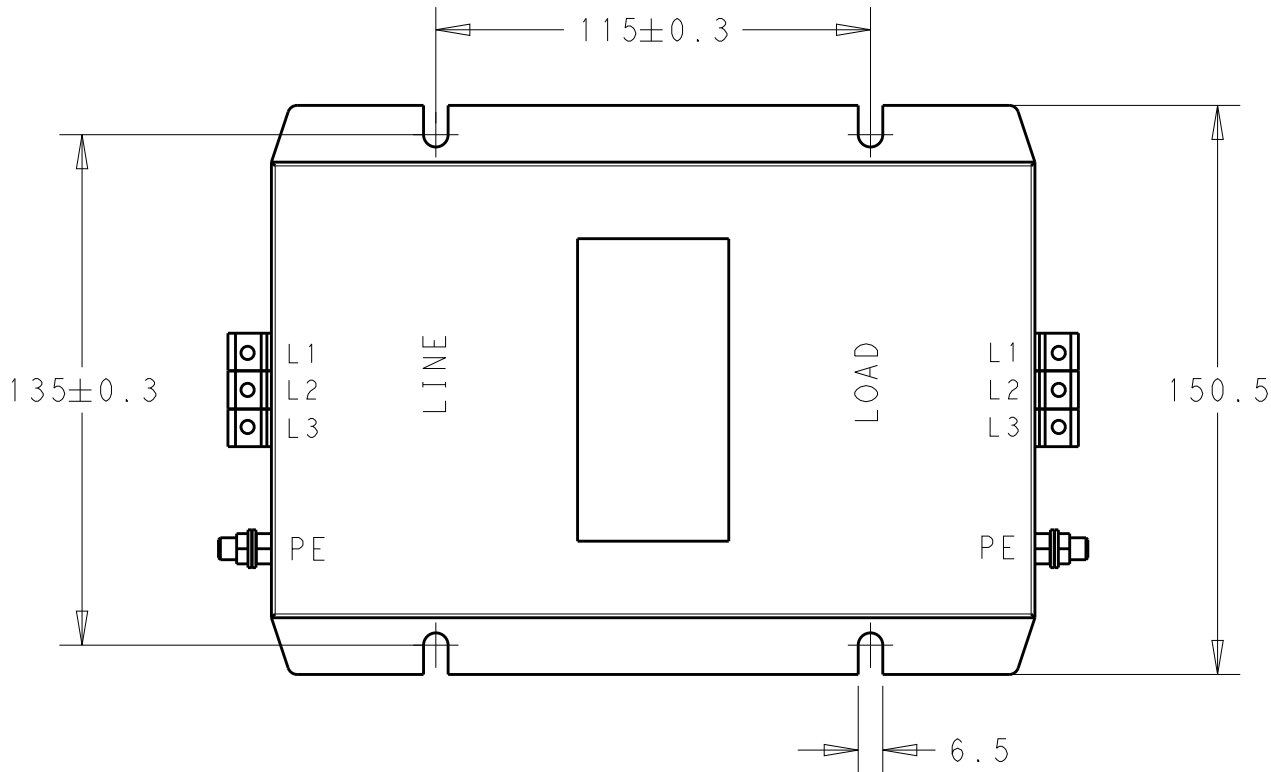
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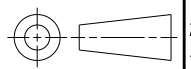
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2.5-3Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 26-12 AWG
WIRE SECTION: 4 mm²
THREADED BOLT SIZE FOR GROUND: M6

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 20FEB2020 SHRICHARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 20FEB2020 LEO IRUDHAYARAJ			
		APVD 20FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC	NAME POWER LINE FILTER 25KEMS10BFPD		
0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609967-5
MATERIAL -		CUSTOMER DRAWING	RESTRICTED TO -		
FINISH -		SCALE 1:2	SHEET 2 OF 2	REV B	