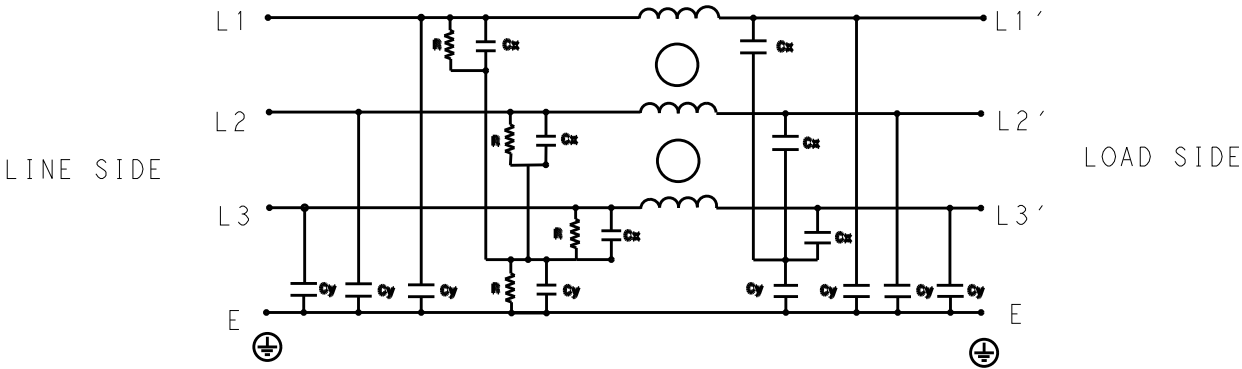


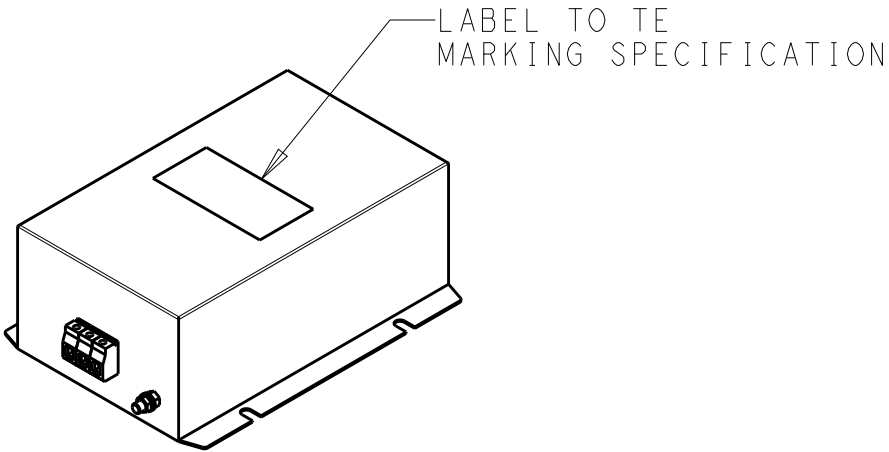
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	56	54	56	53	49	45	38	32	24
DM	31	32	35	55	72	64	60	51	54



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* 20A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 20A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 20A, 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: 4.5mH

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

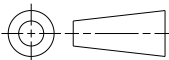
DISCHARGE RESISTOR
L/G I.R. 1MΩ 1W
L/L I.R. 2MΩ 1W
L/N I.R. XXX
N/G I.R. XXX
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

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 SHRICARANA B 20FEB2020	 TE Connectivity				
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 20FEB2020					
		APVD LEO IRUDHAYARAJ 20FEB2020					
PRODUCT SPEC -		NAME POWER LINE FILTER 20KEMS10BFPD					
APPLICATION SPEC -							
MATERIAL - -		FINISH - -	WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609967-4	RESTRICTED TO -
CUSTOMER DRAWING			SCALE 1:4	SHEET 1 OF 2	REV B		

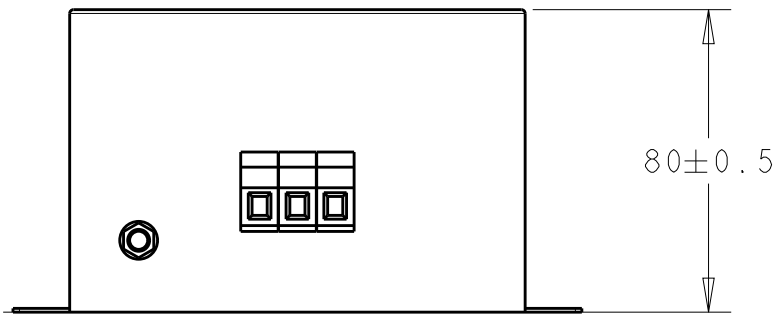
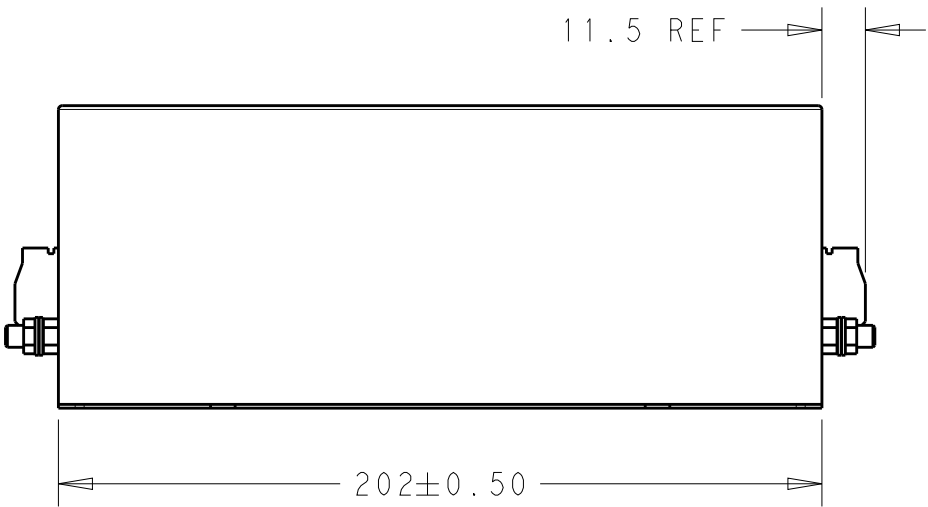
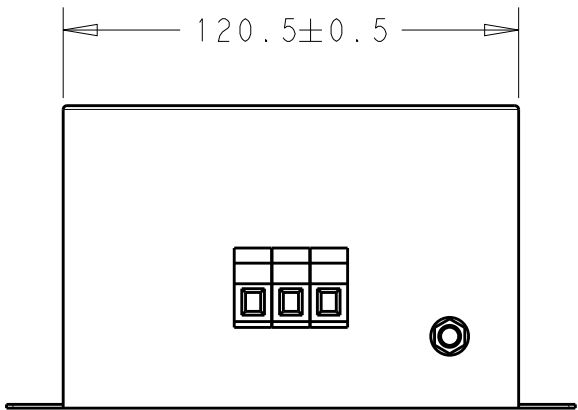
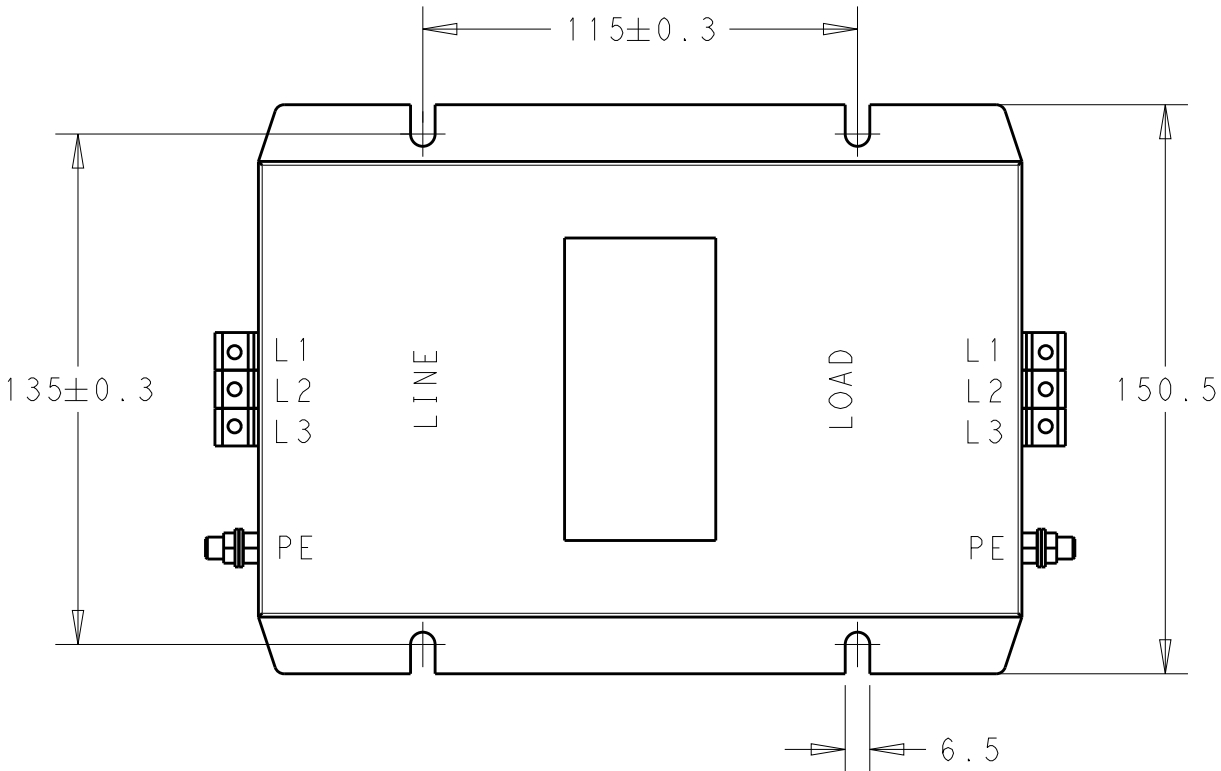
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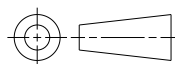
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2.5-3Nm

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 SHRICHARANA B 20FEB2020	TE Connectivity							
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 20FEB2020								
		APVD LEO IRUDHAYARAJ 20FEB2020								
		PRODUCT SPEC -								
		APPLICATION SPEC -	NAME POWER LINE FILTER 20KEMS10BFPD							
MATERIAL -		FINISH -			SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609967-4	RESTRICTED TO -		
		WEIGHT -	CUSTOMER DRAWING				SCALE 1:2		SHEET 2 OF 2	REV B