

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	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* 16A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 16A 520V 50Hz/60Hz 40°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 16A, 520VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 8.5mA @ 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: 2.2mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 1.58µF
NEUTRAL TO GROUND, NOMINAL: 2.2µF
LINE TO NEUTRAL, NOMINAL: 5µF

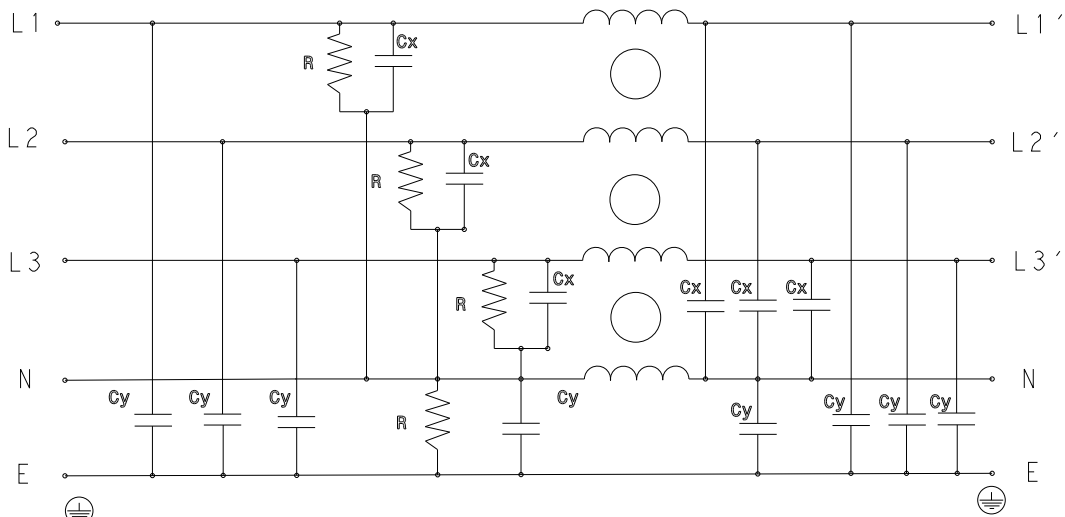
DISCHARGE RESISTOR
L/L I.R. 2MΩ 1W
L/N I.R. 1MΩ 1W
L/G I.R. 2MΩ 1W
N/G I.R. 1MΩ 1W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

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.

LINE SIDE

LOAD SIDE

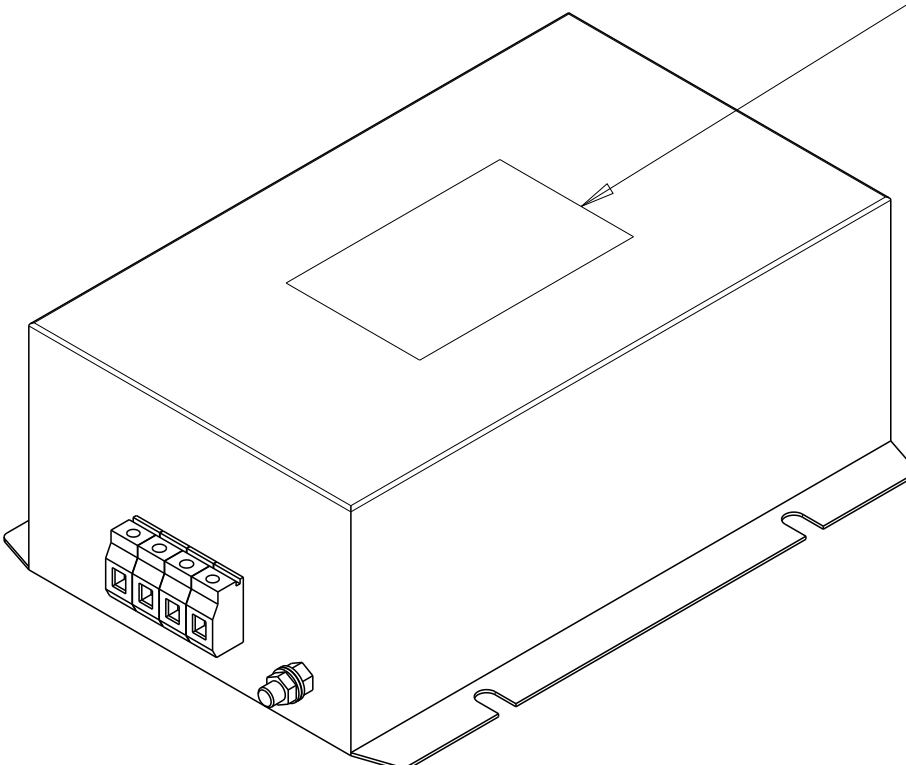


SCHEMATIC

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	58	59	54	49	41	37	31	28
DM	27	32	55	53	47	36	35	30	27

LABEL TO TE
MARKING SPECIFICATION

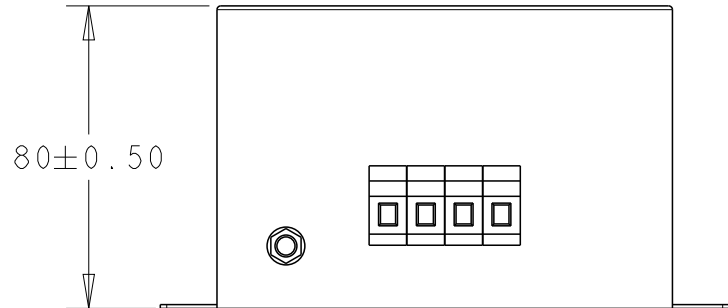
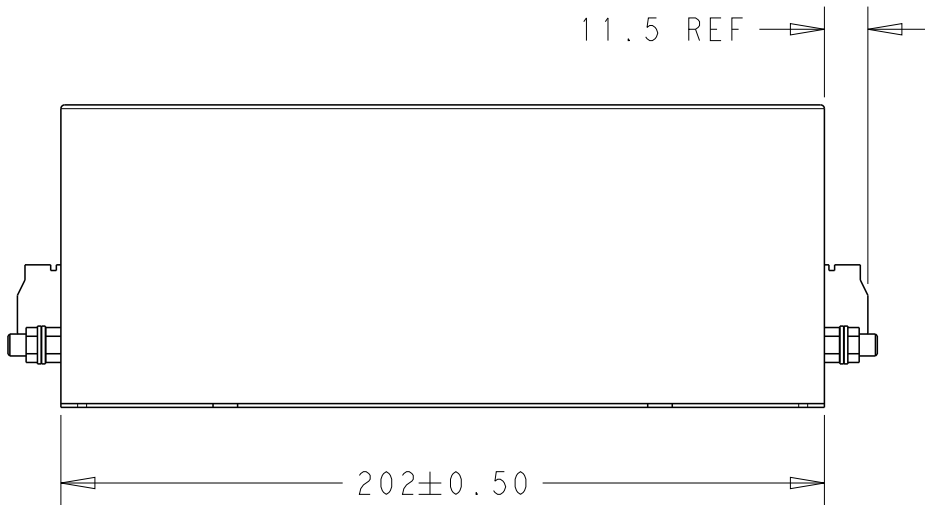
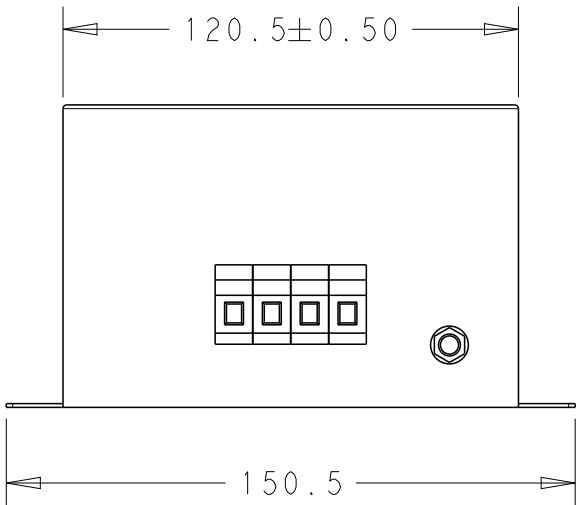
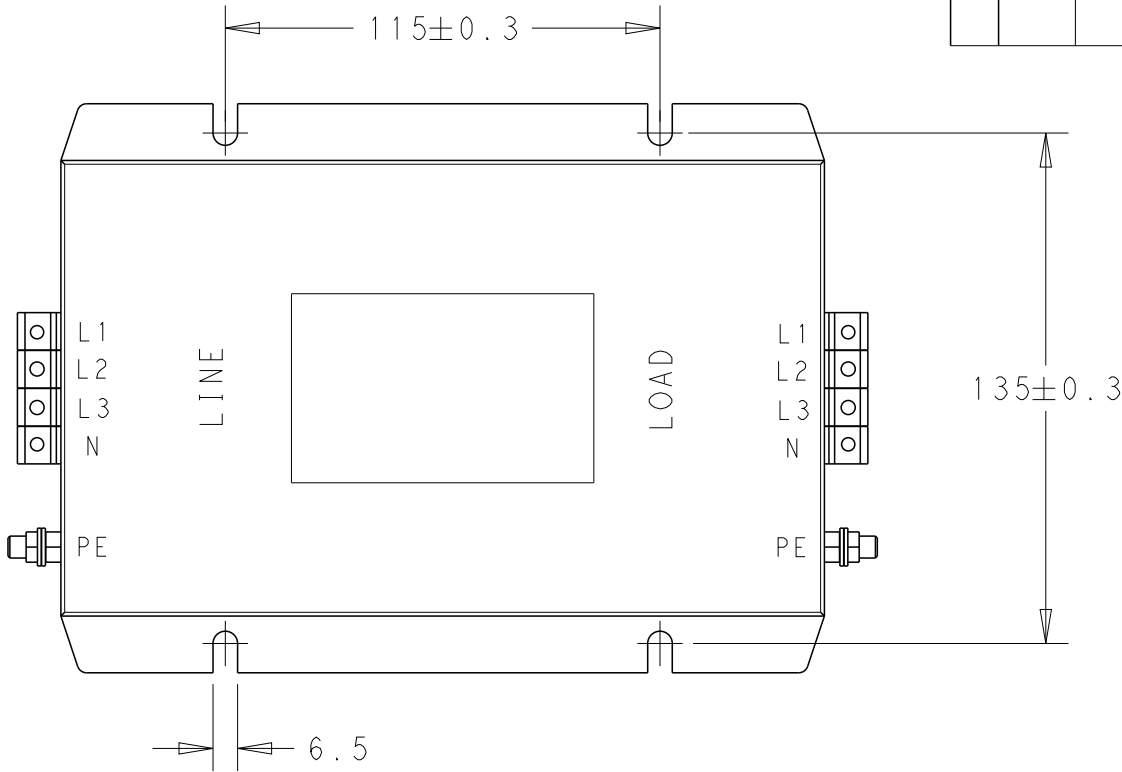


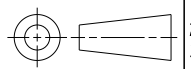
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICARANA B 28FEB2020	TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK LEO IRUDHAYARAJ 28FEB2020			
		APVD LEO IRUDHAYARAJ 28FEB2020			
		PRODUCT SPEC			
	0 PLC ±-	APPLICATION SPEC	NAME POWER LINE FILTER 16KEPS10BFPW		
	1 PLC ±0.5				
	2 PLC ±0.40	WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-4-1609968-3
	3 PLC ±0.130				
MATERIAL	4 PLC ±0.0500	CUSTOMER DRAWING	SCALE 1:2	SHEET 1 OF 2	REV B
	ANGLES ±-				
-	FINISH				
-					

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

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		SEE SHEET 1			



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		CHK LEO IRUDHAYARAJ 28FEB2020			
DIMENSIONS: mm		APVD LEO IRUDHAYARAJ 28FEB2020	NAME POWER LINE FILTER 16KEPS10BFPW		
		PRODUCT SPEC -			
		APPLICATION SPEC -	SIZE A300779 CAGE CODE C-4-1609968-3		
MATERIAL -		WEIGHT -			
		CUSTOMER DRAWING	RESTRICTED TO -		
			SCALE 1:2		
			SHEET 2 OF 2		
			REV B		