

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* 75A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 75A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 75A, 520VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 15mA @ 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: 0.7mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 1.46µF
LINE TO LINE, NOMINAL: 3.3µF

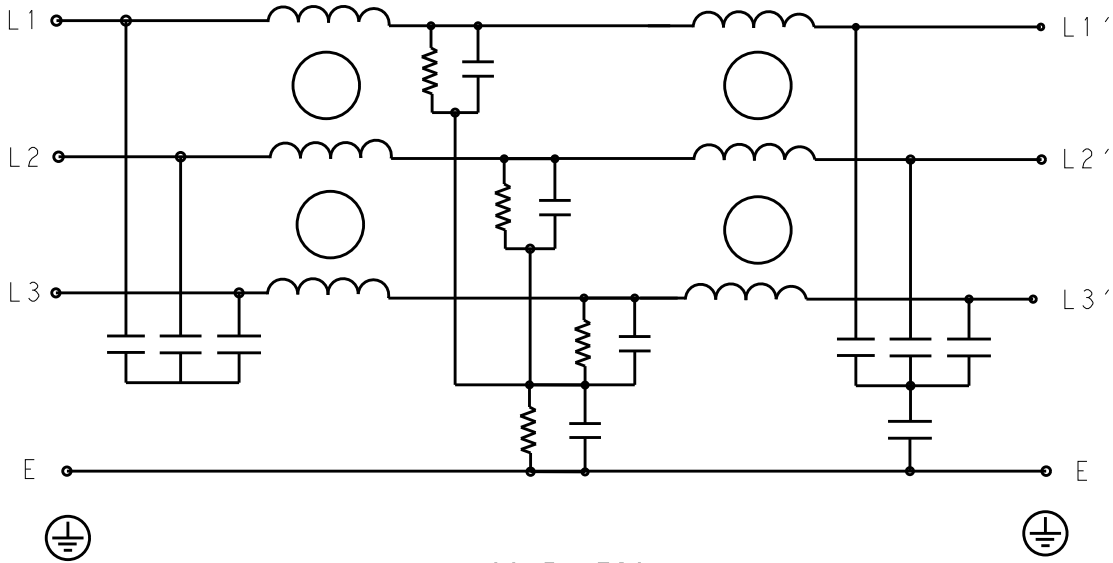
DISCHARGE RESISTOR
L/L I.R. 3MΩ 2W
L/N I.R. XXX
L/G I.R. 680KΩ 2W
N/G I.R. XXX
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

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.

LINE SIDE

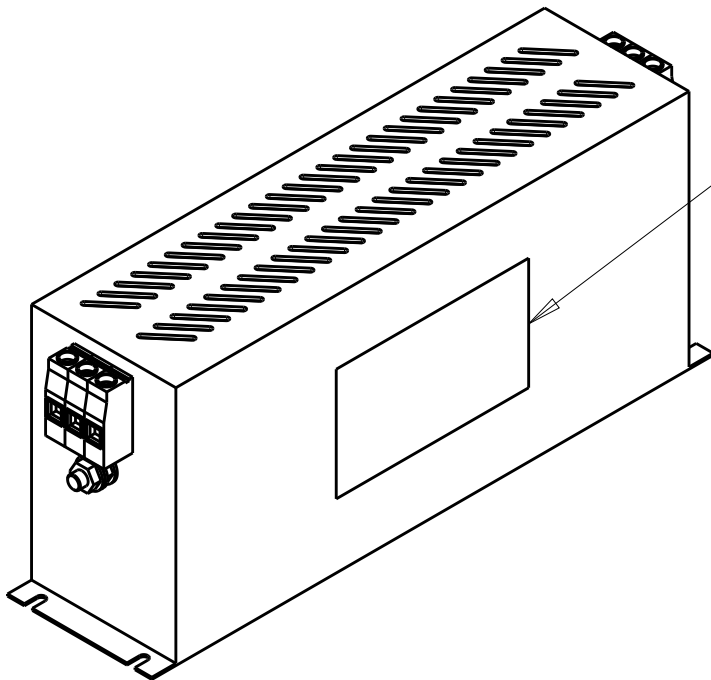
LOAD SIDE



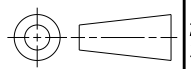
SCHEMATIC

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	35	36	62	72	70	65	50	47	30
DM	25	24	28	65	75	60	46	26	24



LABEL TO TE
MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 24FEB2020 SHRICARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 24FEB2020 LEO IRUDHAYARAJ			
		APVD 24FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 75KEHD10BBS		
MATERIAL		WEIGHT	SIZE A300779	CAGE CODE C-5-1609969-5	RESTRICTED TO -
		CUSTOMER DRAWING	SCALE 3:10	SHEET 1 OF 2	REV B

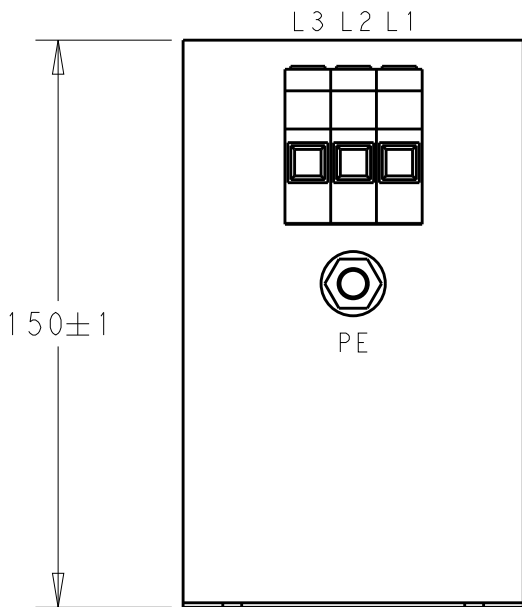
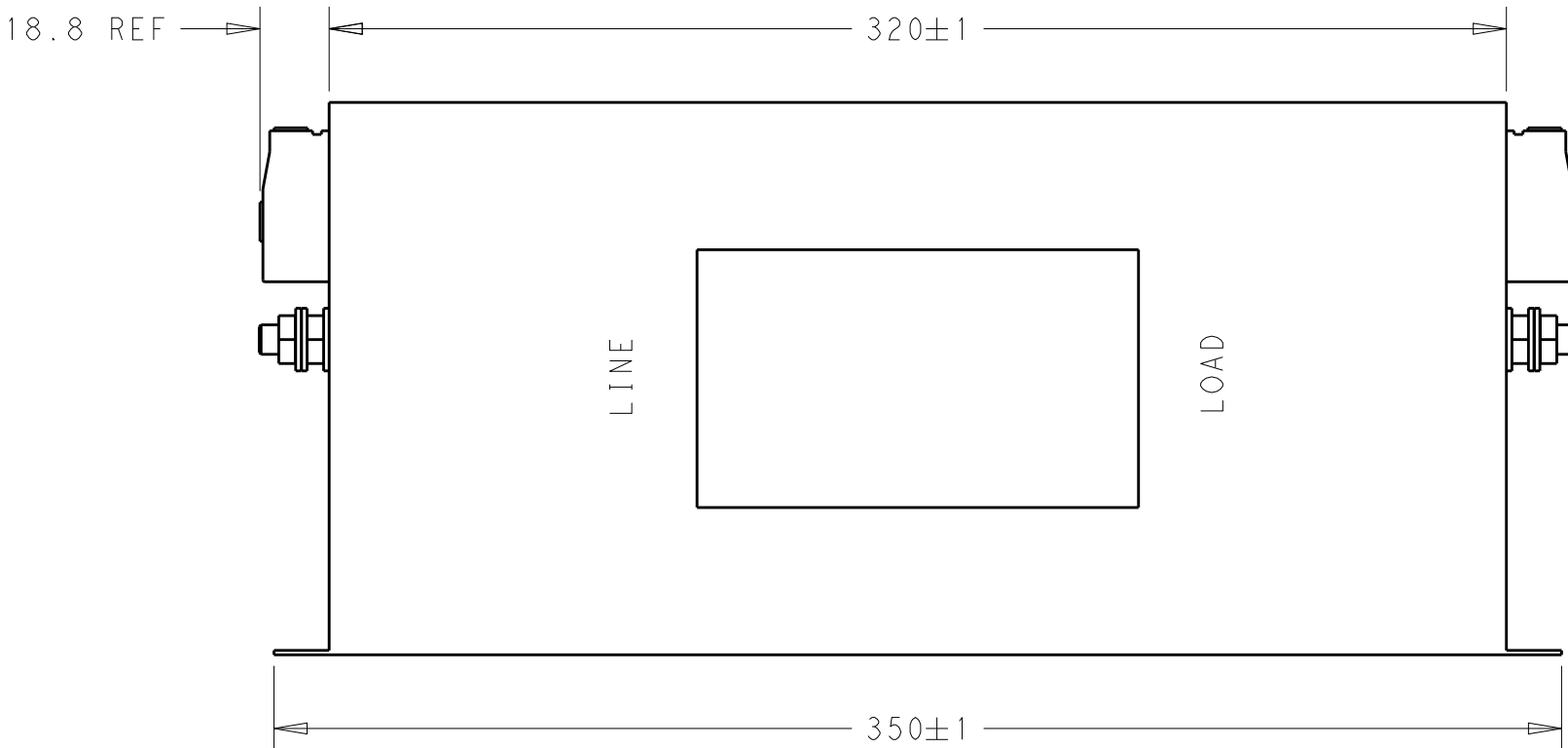
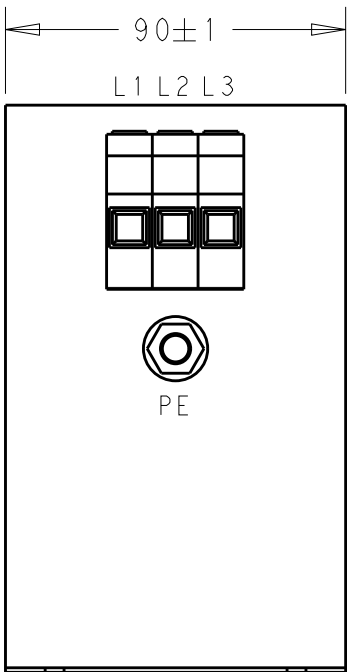
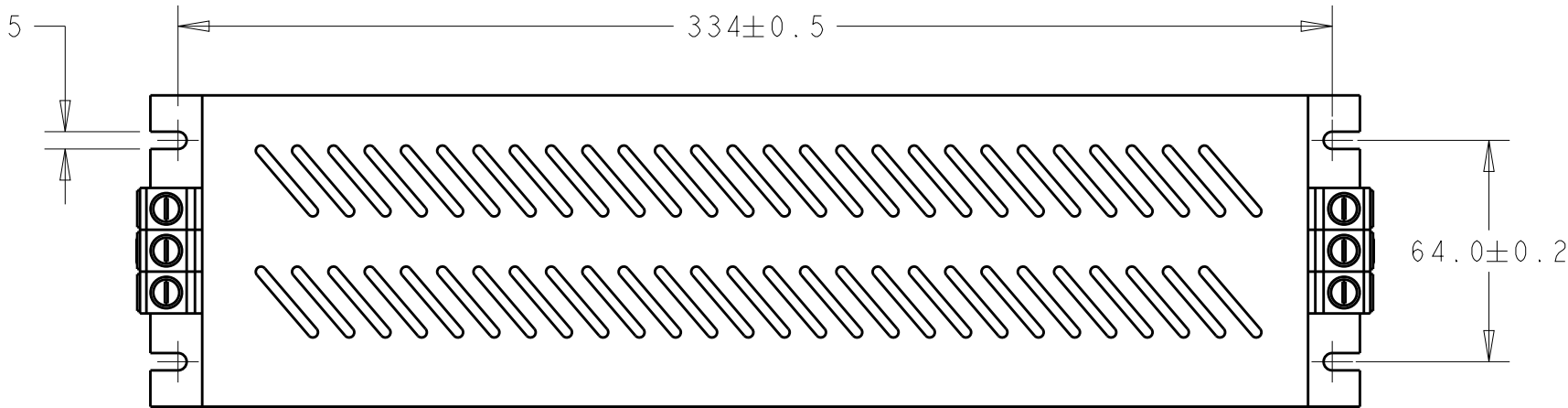
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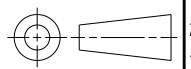
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

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: 3.5-6Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 12-8 AWG
WIRE SECTION: 16mm²
THREADED BOLT SIZE FOR GROUND: M8



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		APVD 24FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 75KEHD10BBS		
		PRODUCT SPEC -	SIZE A300779		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	CAGE CODE C-5-1609969-5		
MATERIAL -		WEIGHT -	DRAWING NO C-5-1609969-5		
FINISH -		CUSTOMER DRAWING	RESTRICTED TO -		
		SCALE 1:2	SHEET 2 OF 2		REV B