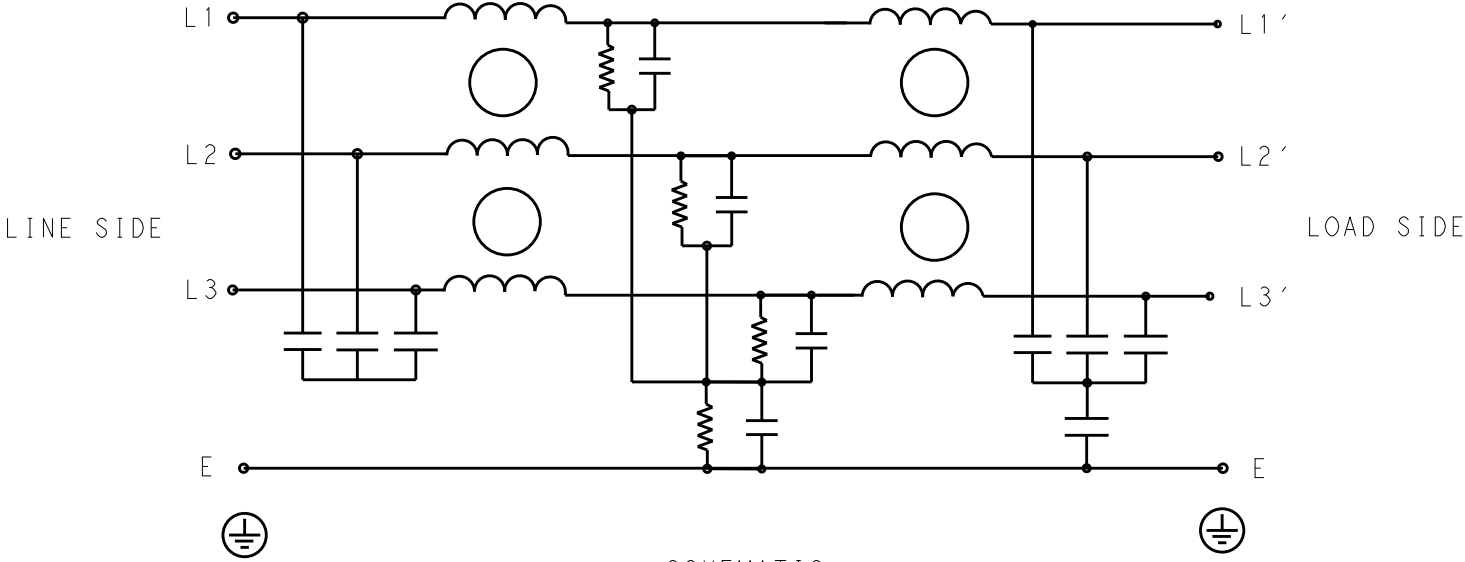


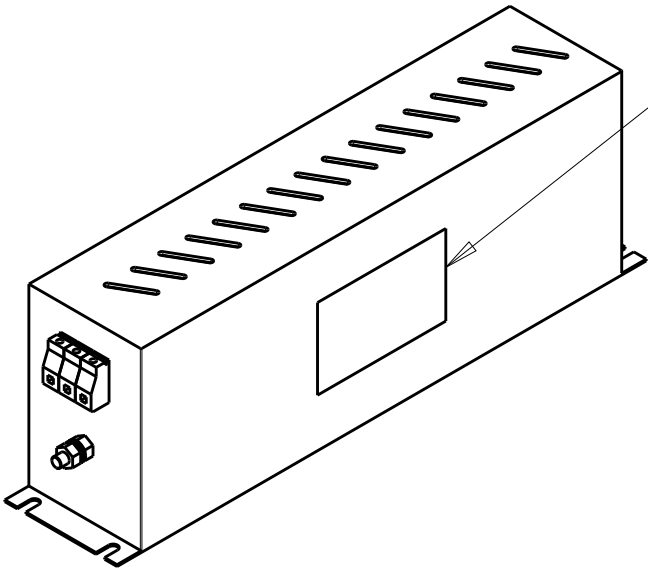
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	LI



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	42	46	69	77	82	64	57	47	39
DM	18	24	57	81	87	60	45	17	25



LABEL TO TE
MARKING SPECIFICATION

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* 30A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 30A 520V 50Hz/60Hz 40°C

* 31 JULY 2020 ; ** 31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 30A, 520VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 10mA @ 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: 4.8mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 0.66μF
LINE TO LINE, NOMINAL: 1.5μF

DISCHARGE RESISTOR

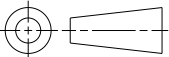
L/L I.R. 3MΩ 1W
L/N I.R. XXX
L/G I.R. 680KΩ 1W
N/G I.R. XXX
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOI

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.

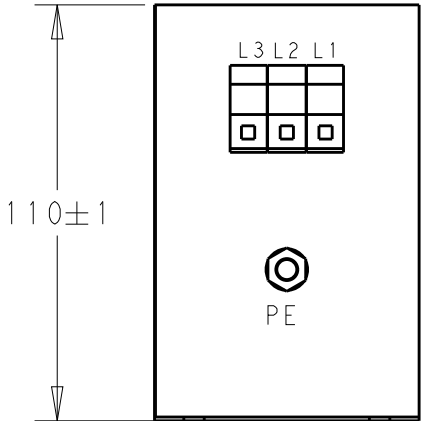
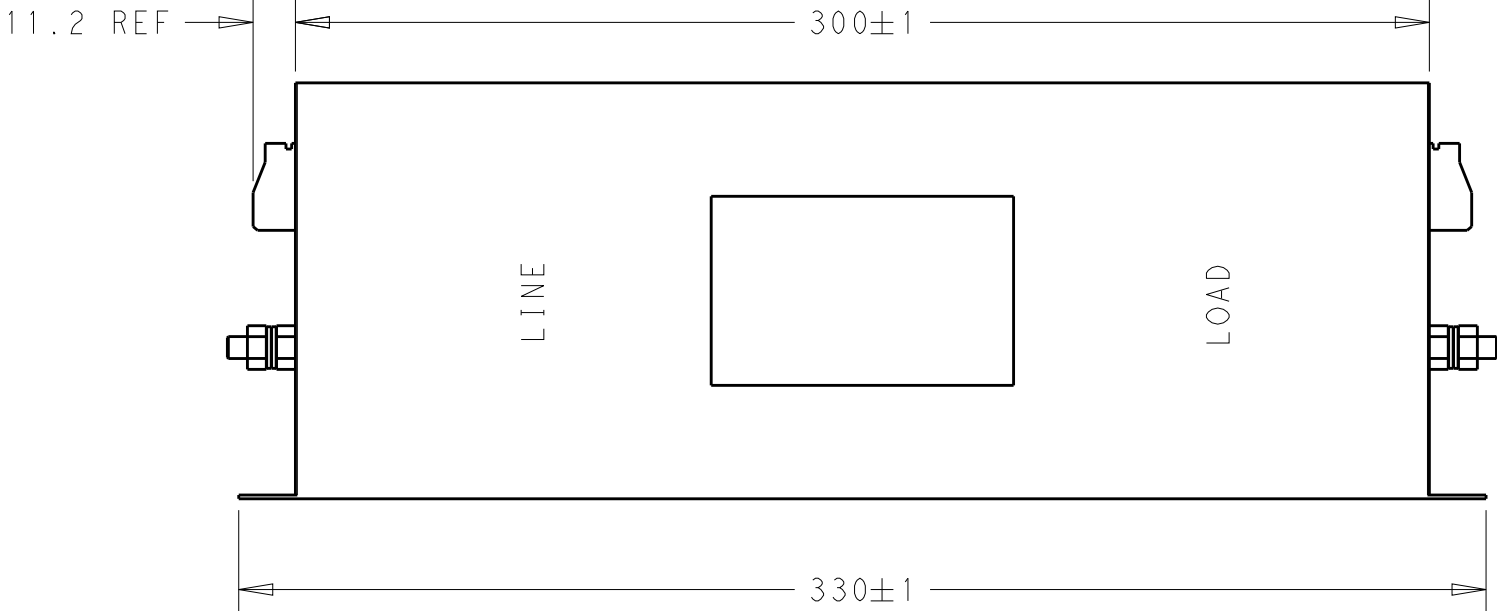
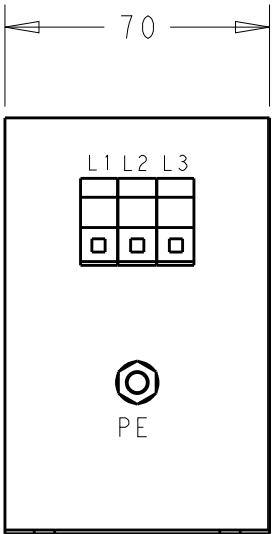
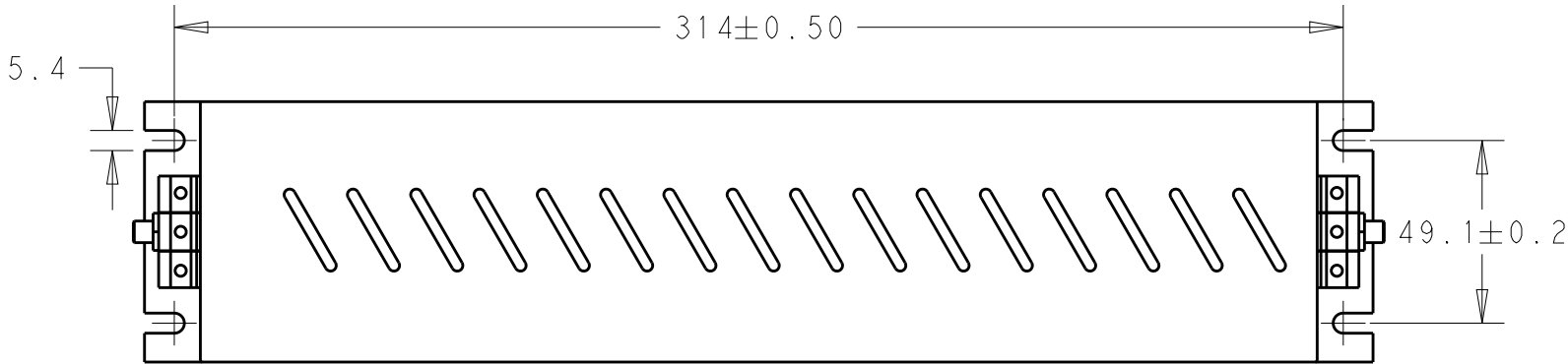
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 26FEB2020 SHRIC HARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 26FEB2020 LEO IRUDHAYARAJ			
		APVD 26FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±0.5 1 PLC ±0.4 2 PLC ±0.4 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		APPLICATION SPEC	NAME POWER LINE FILTER 30KEHD10BBS		
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-1609969-2
FINISH		CUSTOMER DRAWING	RESTRICTED TO	SCALE 3:10	SHEET 1 OF 2
				REV B	

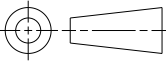
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2.5-3Nm

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

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 26FEB2020 SHRICHARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 26FEB2020 LEO IRUDHAYARAJ			
		APVD 26FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 30KEHD10BBS		
		PRODUCT SPEC			
		APPLICATION SPEC	SIZE A300779		
		WEIGHT			
MATERIAL		FINISH	DRAWING NO C-5-1609969-2		
			RESTRICTED TO		
			SCALE 1:2 SHEET 2 OF 2 REV B		
			CUSTOMER DRAWING		