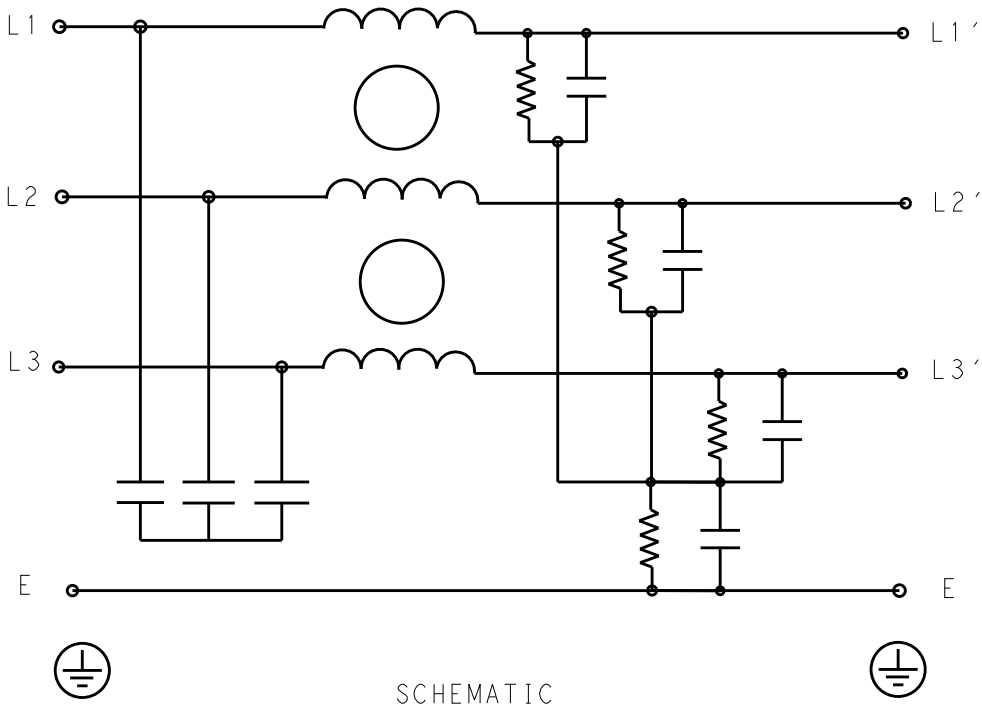


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI

LINE SIDE

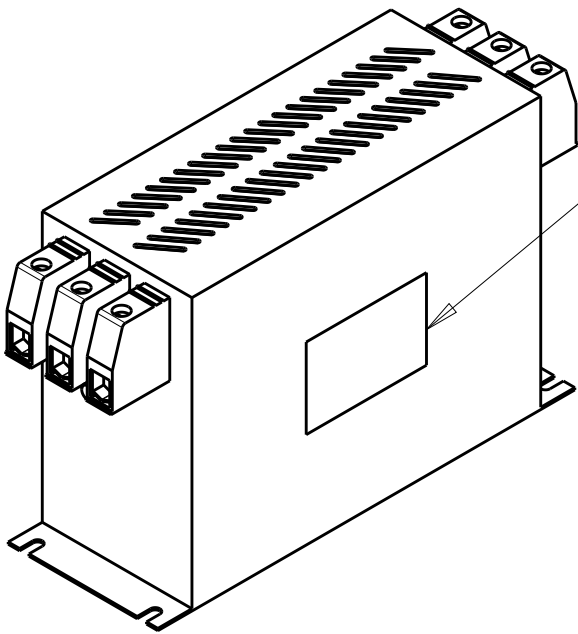
LOAD SIDE



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	20	20	31	65	40	28	24	19	11
DM	31	30	34	48	39	28	23	17	15



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* 150A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 150A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 150A, 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: 0.1mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 0.88μF

LINE TO LINE, NOMINAL: 4.4μF

DISCHARGE RESISTOR

L/G I.R. 680KΩ 2W

L/L I.R. 3MΩ 2W

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 02MAR2020 SHRICARANA B	TE Connectivity		
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
	0 PLC ±0.5 1 PLC ±0.40 2 PLC ±0.130 3 PLC ±0.0500 4 PLC ANGLES ±0.5	APPLICATION SPEC	NAME POWER LINE FILTER 150KEMS10BBS		
		WEIGHT			
MATERIAL	FINISH	CUSTOMER DRAWING	SIZE A3	CAGE CODE 00779	DRAWING NO. 6-1609967-7
			SCALE 1:4	SHEET 1 OF 2	REV B

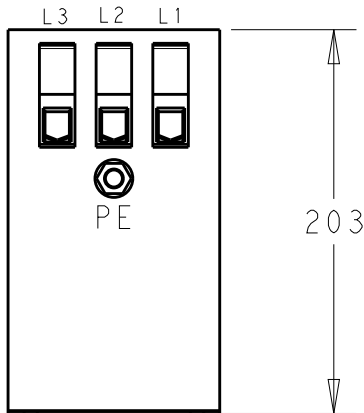
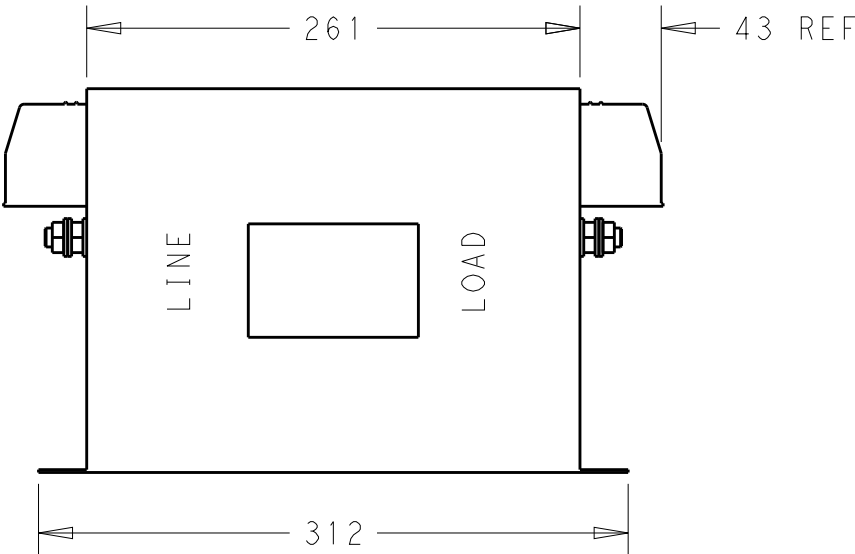
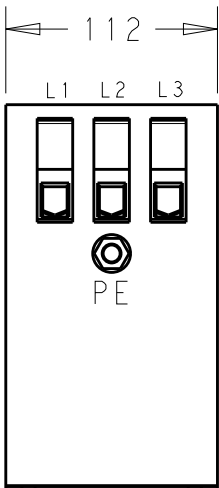
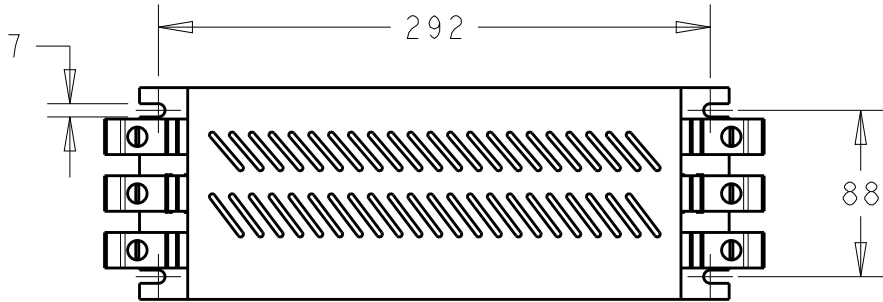
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 6 Nm / 54 in.lbs
TORQUE GROUND NUTS: 4-10Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 6-1 AWG
WIRE SECTION: 50 mm²
THREADED BOLT SIZE FOR GROUND: M10

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 02MAR2020 SHRICHARANA B	TE Connectivity		
DIMENSIONS: mm		CHK 02MAR2020 LEO IRUDHAYARAJ			
		APVD 02MAR2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 150KEMS10BBS		
		PRODUCT SPEC -			
TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		APPLICATION SPEC -	SIZE A300779		
		WEIGHT -			
MATERIAL -		FINISH -	DRAWING NO C-6-1609967-7		
-		-	RESTRICTED TO -		
CUSTOMER DRAWING			SCALE 1:4	SHEET 2 OF 2	REV B