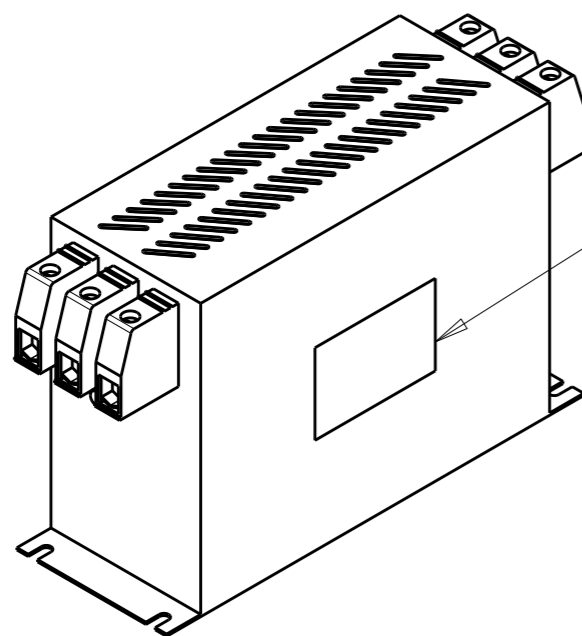


TYPICAL INSERTION LOSS
COMMON MODE 50/50Ω; DIFFERENTIAL MODE 50/50Ω

MHz	0.01	0.05	0.15	0.5	1	3	5	10	30
CM	19	28	33	70	60	56	49	26	18
DM	32	35	45	78	72	60	54	47	31



LABEL TO TE
MARKING SPECIFICATION

REVISIONS				
P	LTR	DESCRIPTION	DATE	APVD
	B	INITIAL RELEASE	07JUL2020	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* 120A 440V 50Hz/60Hz 40°C
 CSA CERTIFIED** 120A 440V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 120A, 440VAC
 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 INSPECTION HIPOT

LINE TO GROUND FOR 1 MINUTE: 2632VDC
 LINE TO LINE FOR 1 MINUTE: 1892VDC

FILTER APPROVAL

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

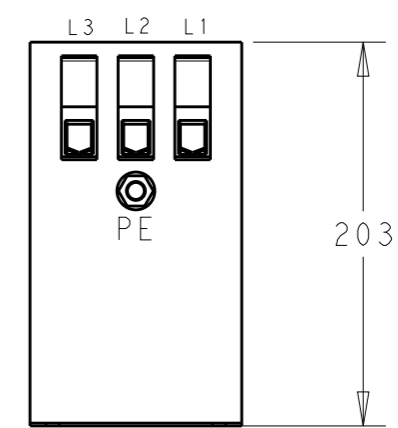
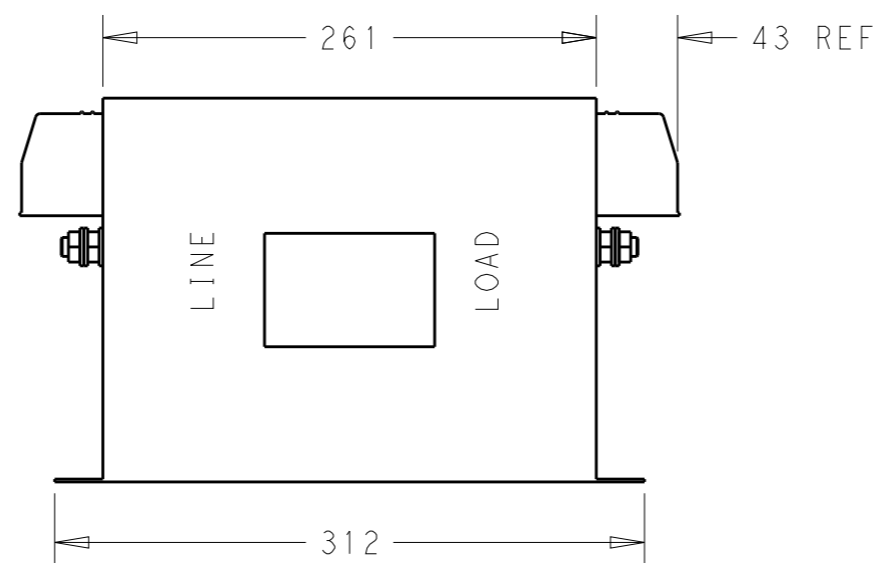
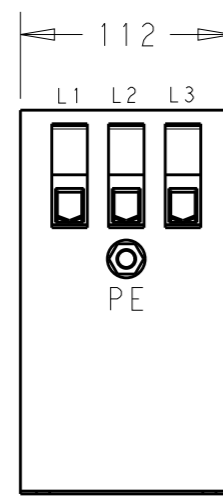
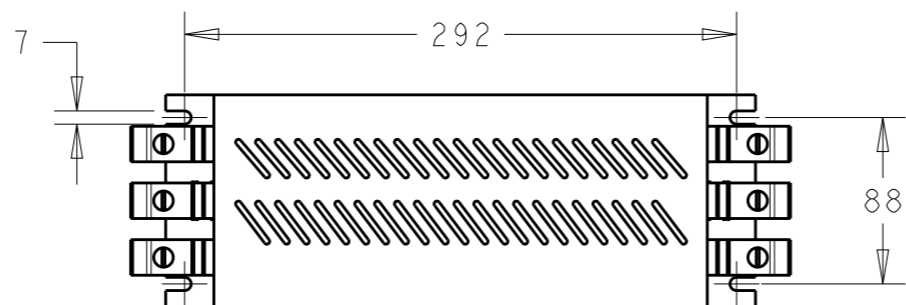
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 02MAR2020 SHRICARANA B	TE Connectivity	
DIMENSIONS: mm		CHK 02MAR2020 LEO IRUDHAYARAJ		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 02MAR2020 LEO IRUDHAYARAJ	PRODUCT SPEC	
0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-		APPLICATION SPEC	SCALE	
MATERIAL		WEIGHT	SIZE	RESTRICTED TO
-		-	A300779	-
-		-	CAGE CODE	SCALE
-		-	3-1609967-6	1:4
-		-	DRAWING NO	SHEET
-		-	3-1609967-6	1 OF 2
-		-	REV	REV
-		-	B	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	TE TE Connectivity
		CHK	02MAR2020	
		APVD	02MAR2020	
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME
		0 PLC	±0.5	POWER LINE FILTER
		1 PLC	±0.40	120KEMS10ABSD
		2 PLC	±0.130	
		3 PLC	±0.0500	
MATERIAL		FINISH		SIZE
				A300779
				CAGE CODE
				©-3-1609967-6
				DRAWING NO
				RESTRICTED TO
				SCALE
				1:4
				SHEET
				2 OF 2
				REV
				B