

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* 7A 440V 50Hz/60Hz 50°C
CSA CERTIFIED** 7A 440V 50Hz/60Hz 50°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 7A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 5mA @ 230VAC, 50Hz
OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -10°C TO +50°C

IN AN AMBIENT, T_a, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{105 - T_a}{55}}$$

RELIABILITY SPECIFICATIONS
STORAGE TEMPERATURE: -40°C TO +85°C
HUMIDITY: 21 DAYS @ 40°C AND 95% RH

TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 10mH

CAPACITANCE @ 1kHz
NEUTRAL TO GROUND, NOMINAL: 1μF
LINE TO NEUTRAL, NOMINAL: 3μF

DISCHARGE RESISTOR
L/L I.R. 2MΩ 1W
L/N I.R. 1.5MΩ 1W
L/G I.R. 2MΩ 1W
N/G I.R. 680KΩ 1W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 2632VDC
LINE TO LINE FOR 1 MINUTE: 1892VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1093VDC

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

LINE SIDE

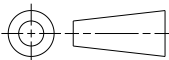
LOAD SIDE

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	70	70	72	78	72	62	54	45	25
DM	50	52	36	50	50	46	40	26	30

LABEL TO TE
MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRIC HARANA B 24FEB2020	 TE Connectivity																	
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 24FEB2020	NAME POWER LINE FILTER 7KEVD10ABSW																	
		APVD LEO IRUDHAYARAJ 24FEB2020																		
<table><tr><td colspan="2">TOLERANCES UNLESS OTHERWISE SPECIFIED:</td></tr><tr><td>0 PLC</td><td>±-</td></tr><tr><td>1 PLC</td><td>±0.5</td></tr><tr><td>2 PLC</td><td>±0.40</td></tr><tr><td>3 PLC</td><td>±0.130</td></tr><tr><td>4 PLC</td><td>±0.0500</td></tr><tr><td>ANGLES</td><td>±-</td></tr></table>		TOLERANCES UNLESS OTHERWISE SPECIFIED:		0 PLC	±-	1 PLC	±0.5	2 PLC	±0.40	3 PLC	±0.130	4 PLC	±0.0500	ANGLES	±-	PRODUCT SPEC	SIZE A3			
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ANGLES	±-																			
APPLICATION SPEC	CAGE CODE 00779																			
MATERIAL - -					FINISH - -	WEIGHT -	DRAWING NO C-2-1609998-0		RESTRICTED TO -											
CUSTOMER DRAWING		SCALE 1:2		SHEET 1	OF 2	REV B														

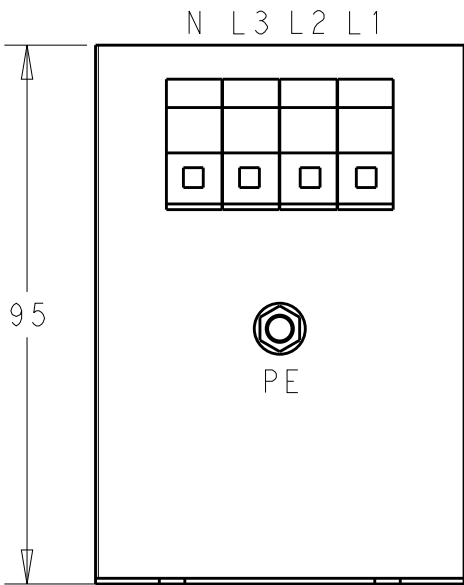
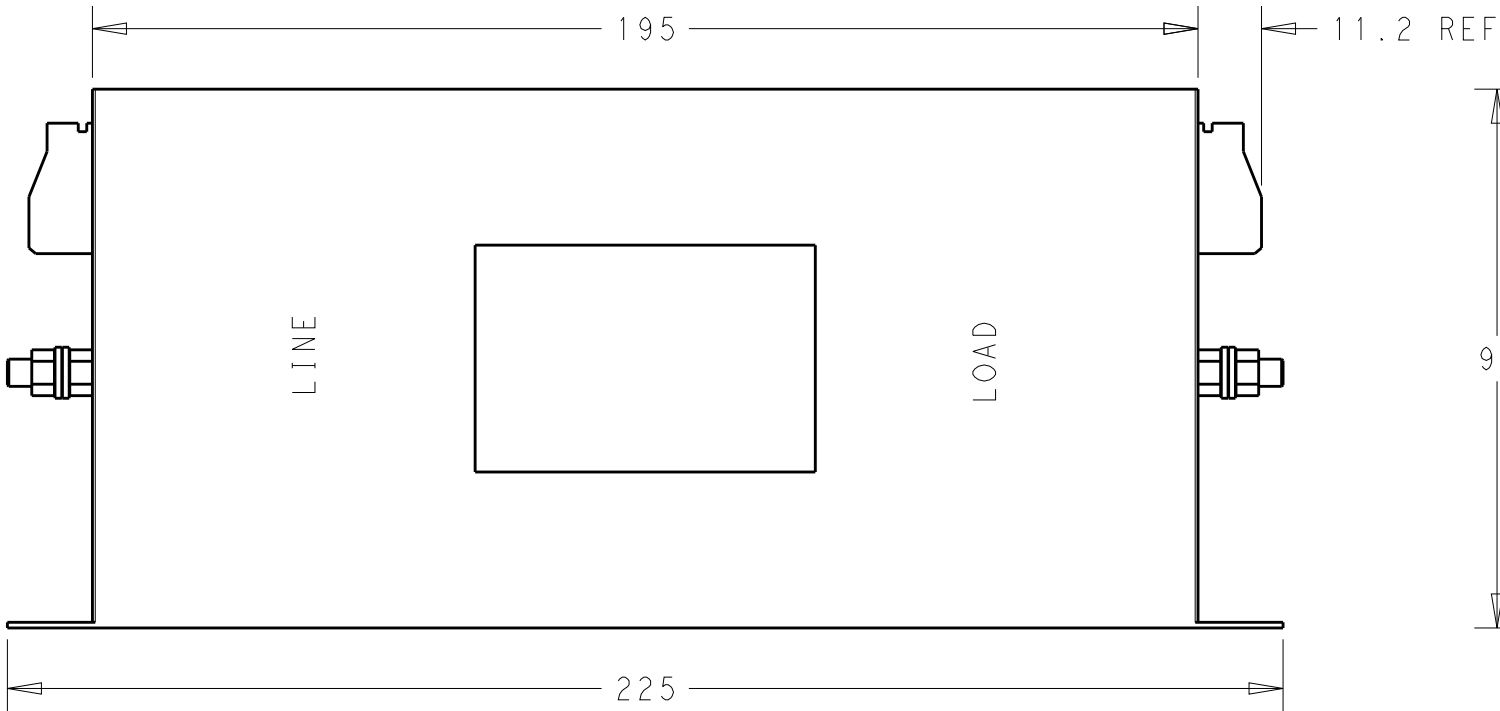
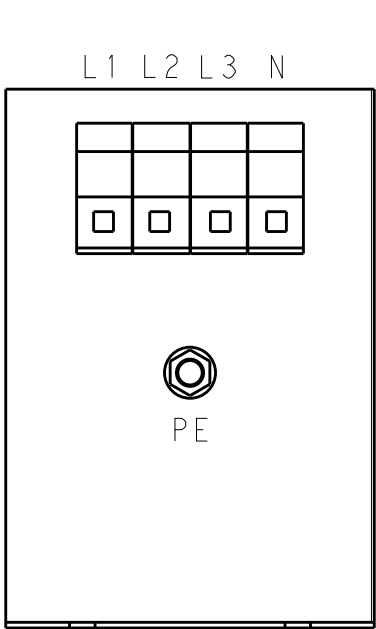
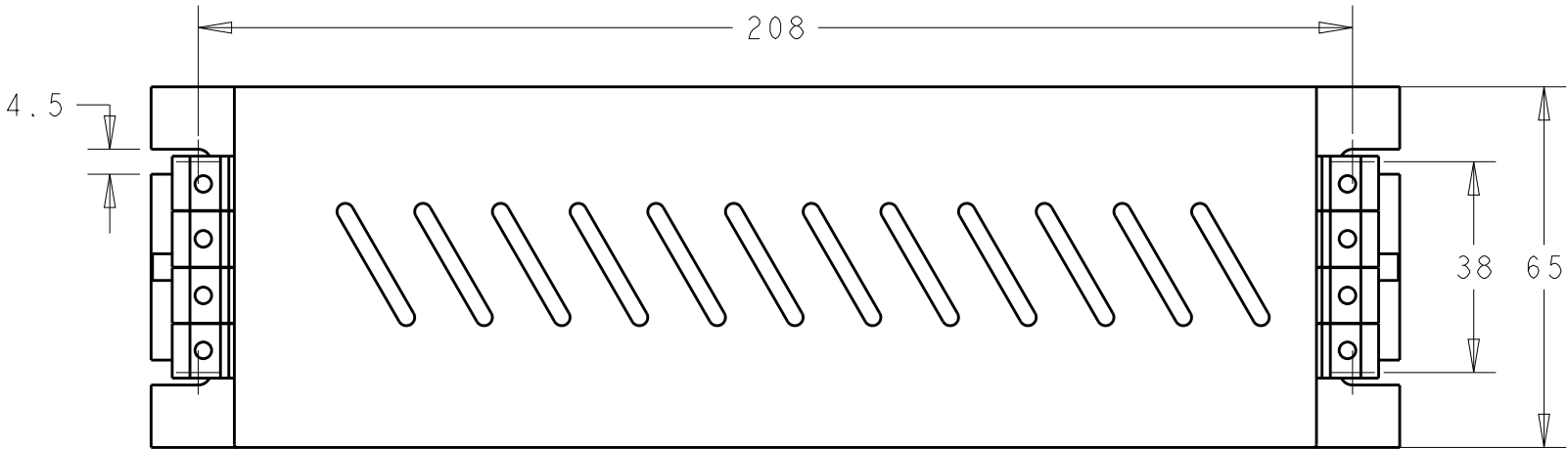
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 26-12 AWG
WIRE SECTION: 4 mm²
THREADED BOLT SIZE FOR GROUND: M5

REVISIONS

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		SEE SHEET 1			



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mm

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3 PLC	±0.130
4 PLC	±0.0500
ANGLES	±

MATERIAL

-

FINISH

-

DWN
SHRICHARANA B
24FEB2020

CHK
LEO IRUDHAYARAJ
24FEB2020

APVD
LEO IRUDHAYARAJ
24FEB2020

PRODUCT SPEC
-

APPLICATION SPEC
-

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

NAME
POWER LINE FILTER
7KEVD10ABSW

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-2-1609998-0

RESTRICTED TO
-

SCALE
3:4

SHEET
2 OF 2

REV
B