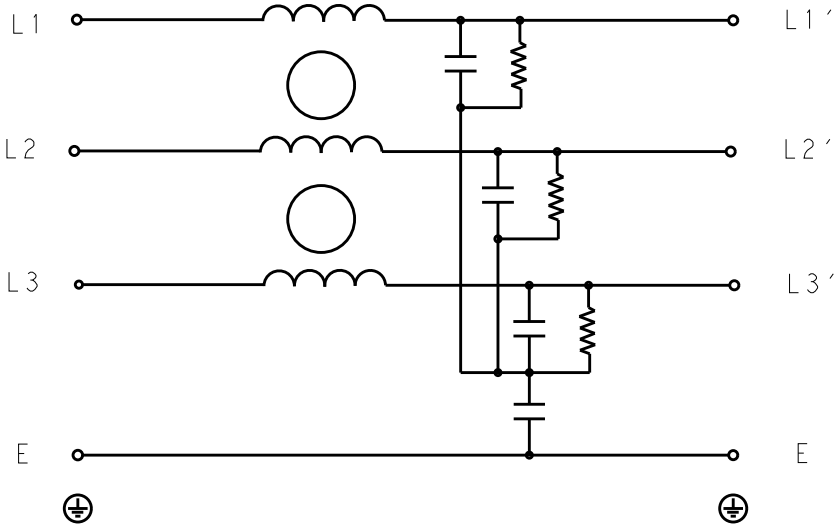


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SR	LI

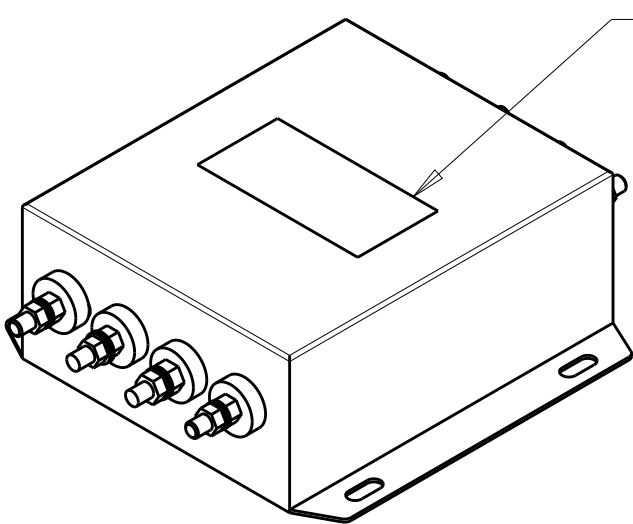
LINE SIDE



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	2	4	5	22	27	30	32	35	24
DM	2	5	5	24	42	38	40	31	29



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\* 60A 520V 50Hz/60Hz 40°C  
CSA CERTIFIED\*\* 60A 520V 50Hz/60Hz 40°C  
\*31 JULY 2020 ; \*\*31 AUGUST 2020

OPERATING SPECIFICATION

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

MAXIMUM LEAKAGE CURRENT: 5mA @ 230VAC, 50Hz

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -25°C TO +40°C

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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: 0.2mH

CAPACITANCE @ 1kHz  
LINE TO GROUND, NOMINAL: 21nF  
LINE TO LINE, NOMINAL: 235nF


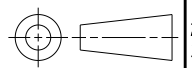
DISCHARGE RESISTOR  
L/G I.R. 680kΩ 2W  
L/L I.R. 2MΩ 2W  
L/N I.R. XXX  
N/G I.R. XXX  
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

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 06FEB2020 SUPREETH R	 TE Connectivity		
DIMENSIONS: mm		CHK 06FEB2020 LEO IRUDHAYARAJ			
		APVD 06FEB2020 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 60KEBS6BFPD		
MATERIAL		WEIGHT	SIZE	CAGE CODE	DRAWING NO
-		-	A3	00779	C-5-1609965-0
FINISH		CUSTOMER DRAWING	SCALE	SHEET	REV
-			1:2	1 OF 2	B

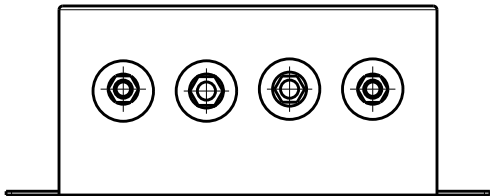
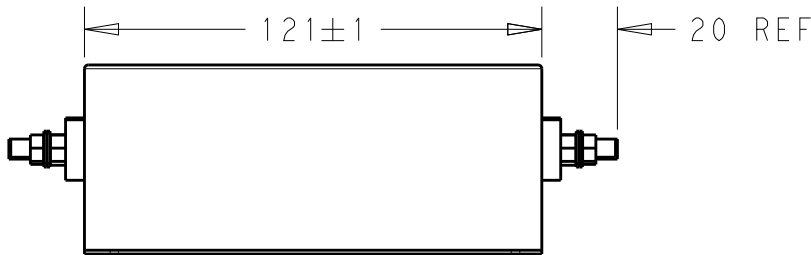
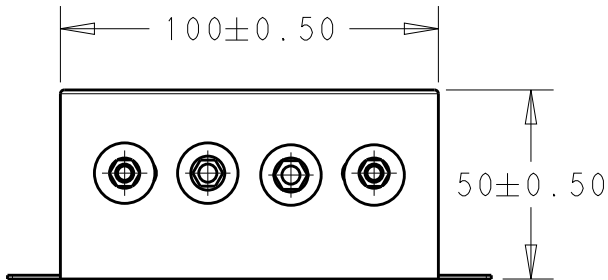
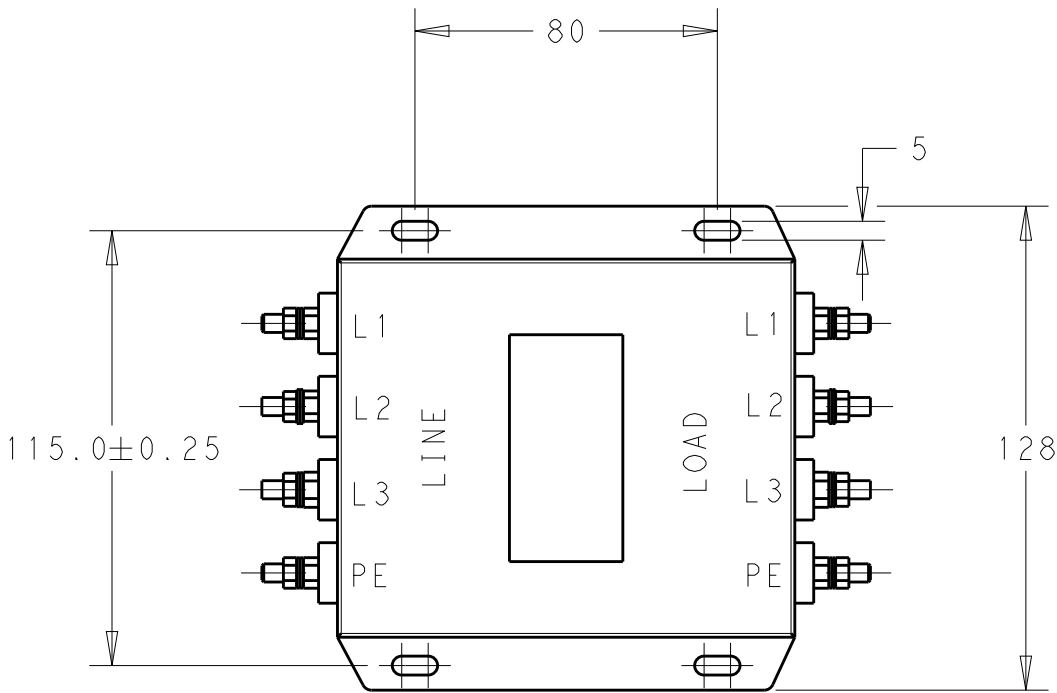
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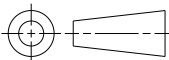
NOTE 1 GROUND CONNECTION:  
DO NOT LOOSEN INNER GROUND NUTS.  
TORQUE OUTER TERMINAL /GROUND NUTS: 2.5-3 Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL  
AWG SIZE: XXX  
THREADED BOLT SIZE FOR TERMINAL: M6  
THREADED BOLT SIZE FOR GROUND: M6

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 06FEB2020 SUPREETH R	 TE Connectivity			
DIMENSIONS:  mm		CHK 06FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 60KEBS6BFPD			
		APVD 06FEB2020 LEO IRUDHAYARAJ				
PRODUCT SPEC  -		SIZE CAGE CODE DRAWING NO RESTRICTED TO				
APPLICATION SPEC  -						
MATERIAL  -  -		FINISH  -  -	WEIGHT  -	A300779C-5-1609965-0		-
CUSTOMER DRAWING			SCALE 1:2	SHEET 2 OF 2	REV B	