

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	12FEB2020	SR	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* 6A 440V 50Hz/60Hz 40 °C
CSA CERTIFIED** 6A 440V 50Hz/60Hz 40 °C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 6A, 440VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 3mA @ 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: 0.5mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 18nF
LINE TO LINE, NOMINAL: 50nF

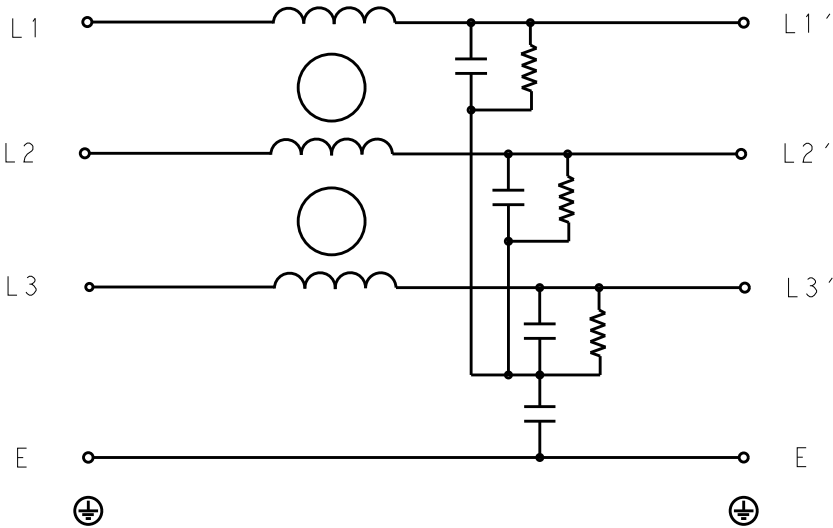
DISCHARGE RESISTOR
L/G I.R. 680KΩ 1W
L/L I.R. 2MΩ 1W
L/N I.R. XXX
N/G I.R. XXX
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 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.

LINE SIDE

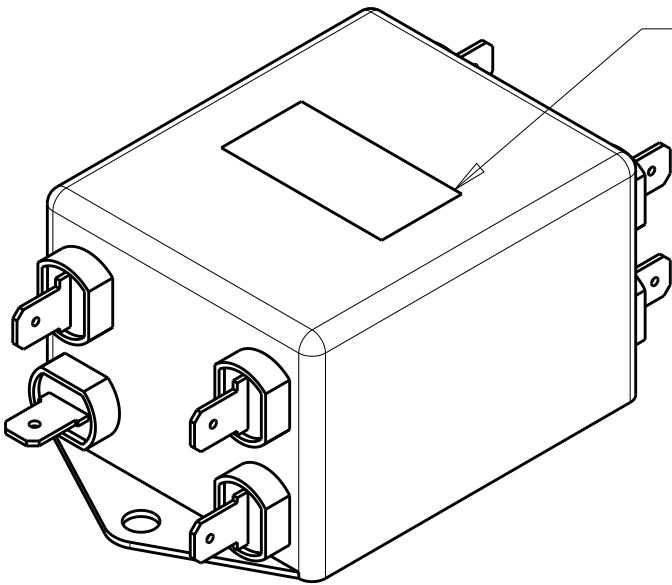
LOAD SIDE



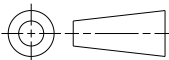
SCHEMATIC

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	3	5	13	19	33	40	42	48	31
DM	4	4	15	25	30	38	45	54	56



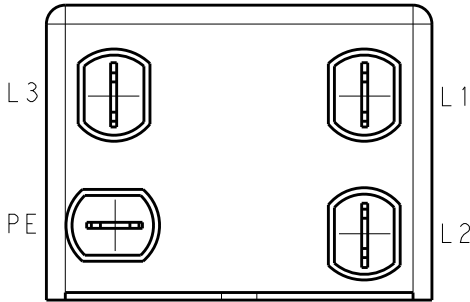
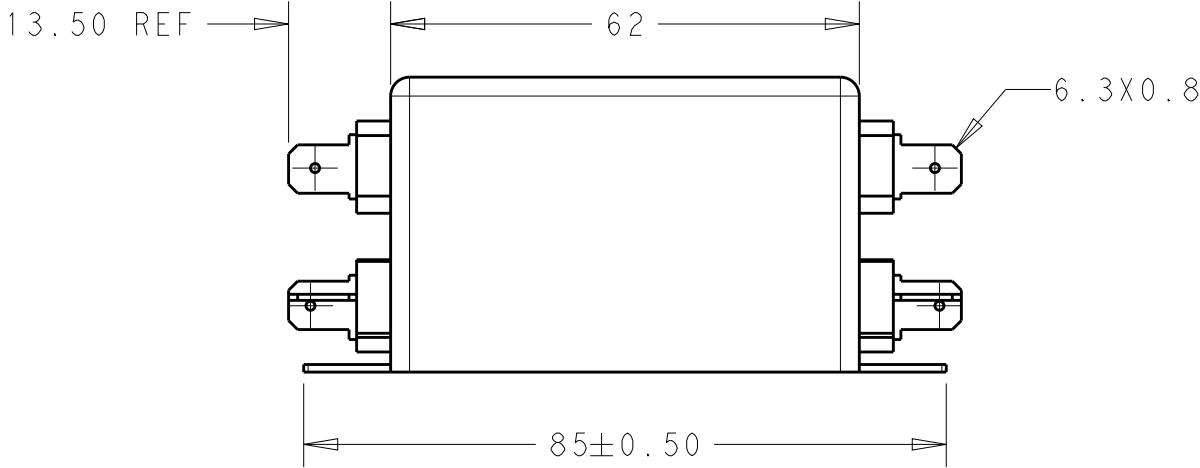
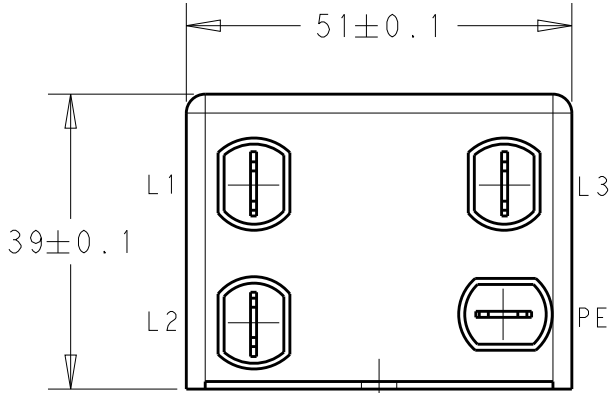
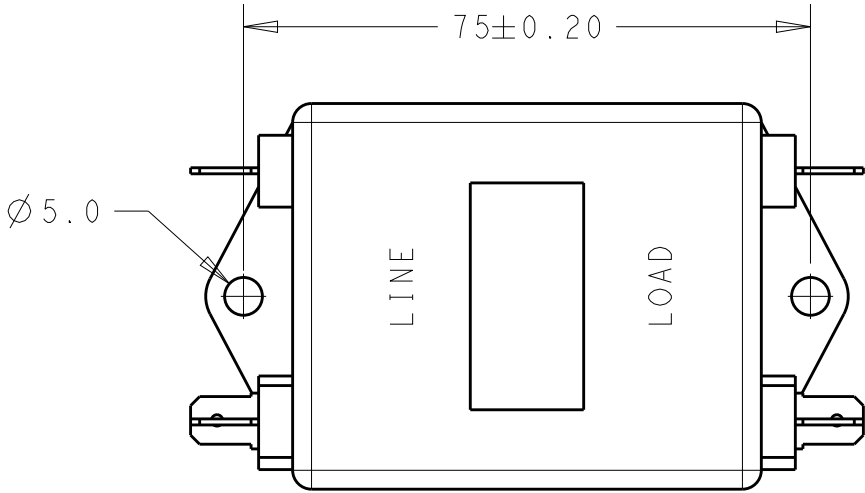
LABEL TO TE
MARKING SPECIFICATION

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 06FEB2020 SUPREETH R	 TE Connectivity															
DIMENSIONS: mm		CHK 06FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 6KEBS1AFPD															
		APVD 06FEB2020 LEO IRUDHAYARAJ																
<table><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>		0 PLC	±-	1 PLC	±0.5	2 PLC	±0.40	3 PLC	±0.130	4 PLC	±0.0500	ANGLES	±-	PRODUCT SPEC -	SIZE A300779			
		0 PLC	±-															
		1 PLC	±0.5															
		2 PLC	±0.40															
3 PLC	±0.130																	
4 PLC	±0.0500																	
ANGLES	±-																	
APPLICATION SPEC -	DRAWING NO C-1-1609965-2																	
WEIGHT -					RESTRICTED TO -													
MATERIAL - -	FINISH - -	CUSTOMER DRAWING																
				SCALE 1:1	SHEET 1 OF 2	REV B												

NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: XXX

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX

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			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APVD 06FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 6KEBS1AFPD		
0 PLC ±0.5 1 PLC ±0.40 2 PLC ±0.130 3 PLC ±0.0500 4 PLC ANGLES ±0.0500		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
MATERIAL		APPLICATION SPEC	A300779C-1-1609965-2		
FINISH		WEIGHT	SCALE 1:1 SHEET 2 OF 2 REV B		
-		CUSTOMER DRAWING			