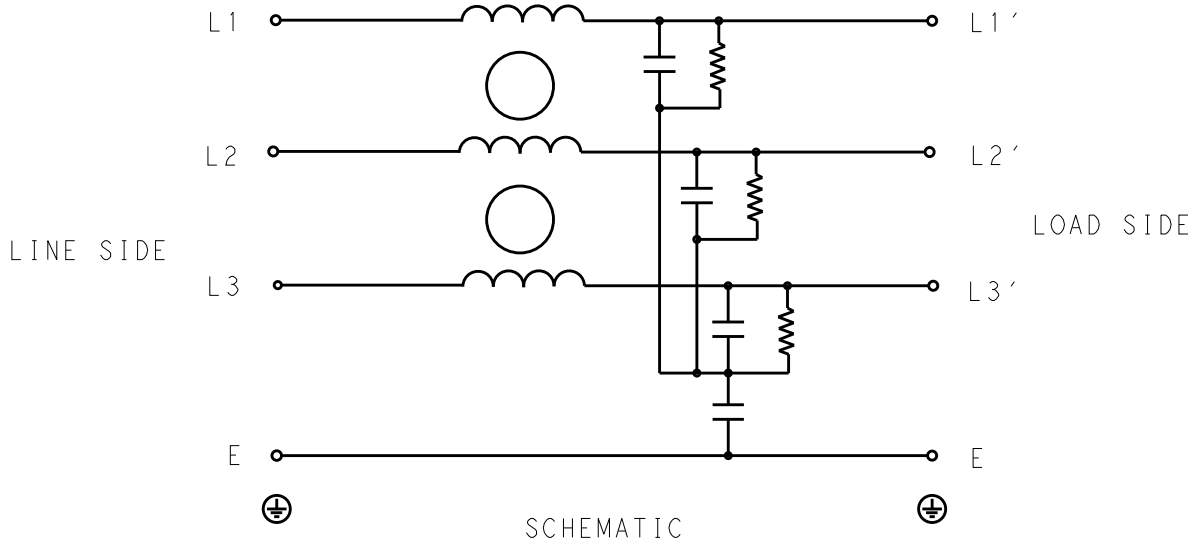


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SR	LI



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	3	4	11	20	40	35	35	45
DM	3	4	6	17	27	33	36	38	54

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* 1A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 1A 520V 50Hz/60Hz 40°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 1A, 520VAC
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

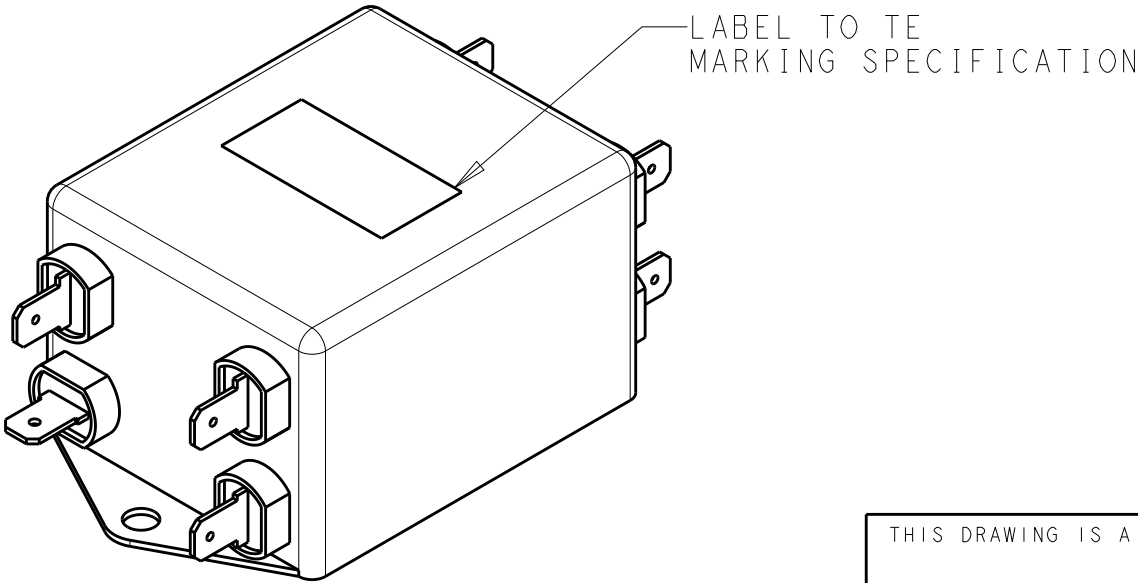
TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 1 mH

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 HIPOI
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.



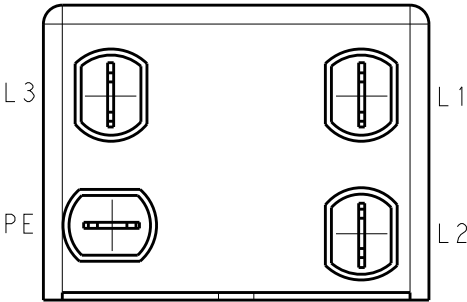
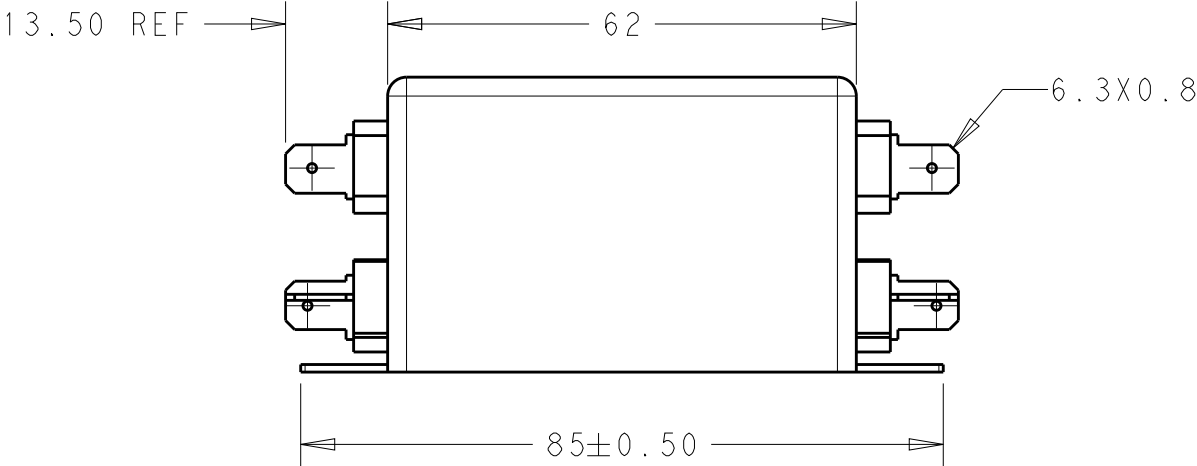
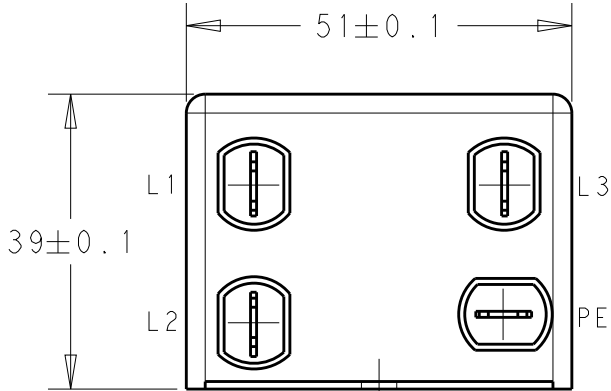
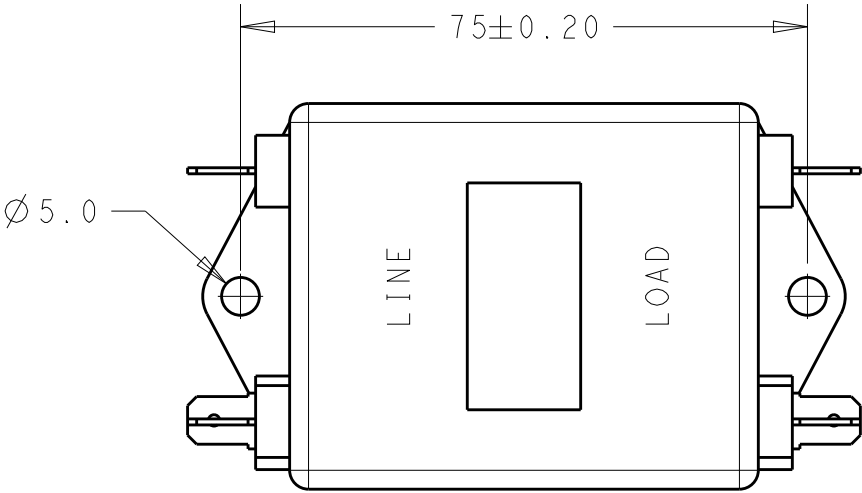
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 06FEB2020 SUPREETH R	TE Connectivity		
DIMENSIONS: mm		CHK 06FEB2020 LEO IRUDHAYARAJ			
		APVD 06FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 1KEBS1BFPD		
MATERIAL		WEIGHT	SIZE	CAGE CODE	DRAWING NO
			A3	00779	C-4-1609965-0
FINISH		CUSTOMER DRAWING	SCALE	SHEET	REV
			1:1	1 OF 2	B

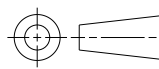
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: XXX

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX
WIRE SECTION: 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			
		APVD 06FEB2020 LEO IRUDHAYARAJ	NAME POWER LINE FILTER 1KEBS1BFPD		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
0 PLC ±0.5		APPLICATION SPEC	A300779C-4-1609965-0		
1 PLC ±0.40		WEIGHT	SCALE 1:1 SHEET 2 OF 2 REV B		
2 PLC ±0.130		CUSTOMER DRAWING			
3 PLC ±0.0500					
4 PLC ±0.0500					
ANGLES ±0.5					
FINISH					
-					
-					