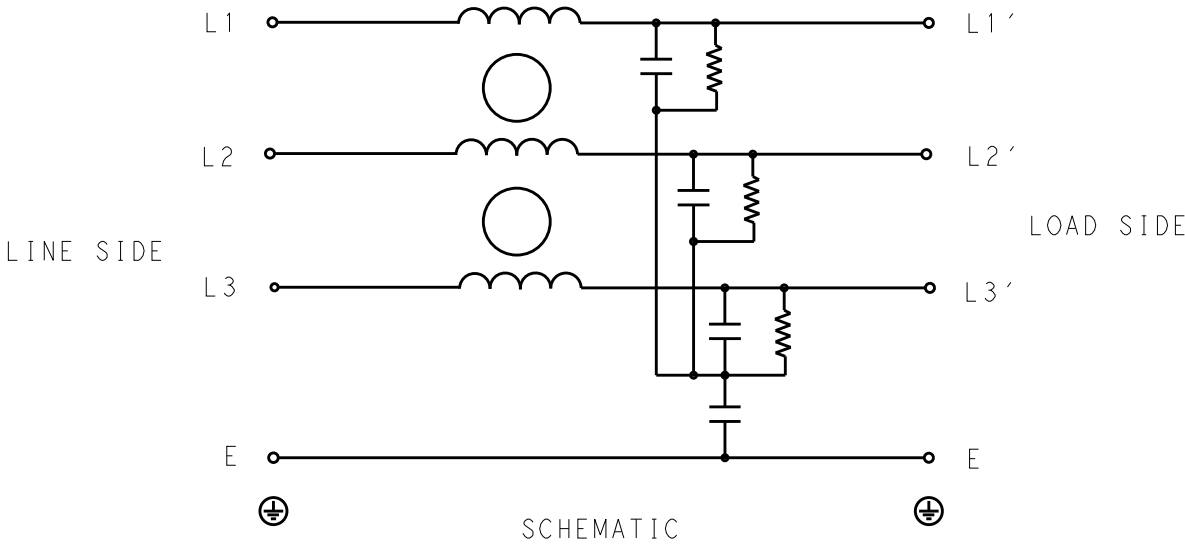
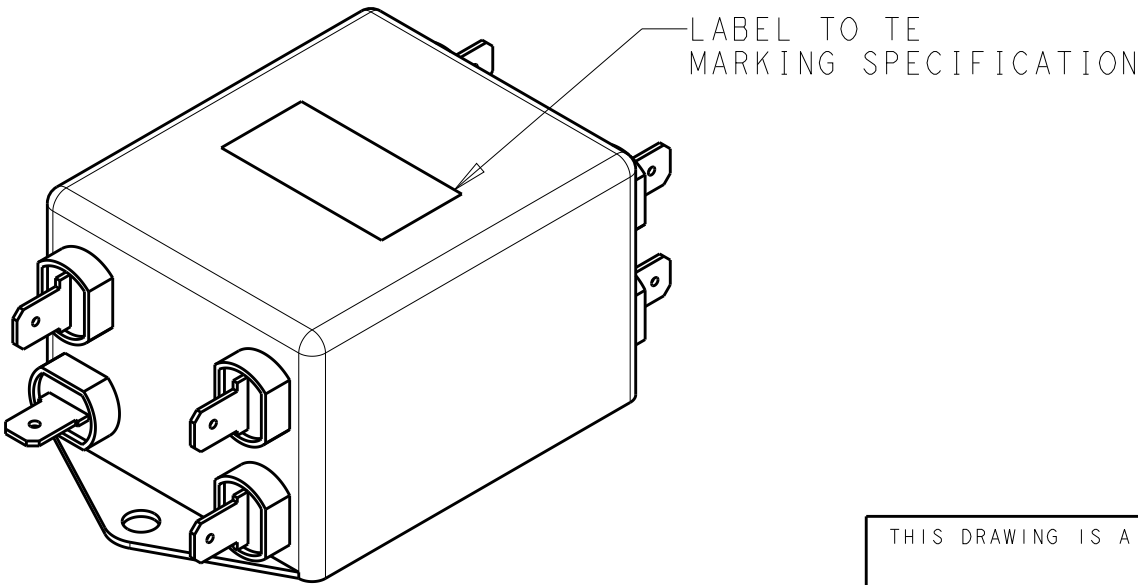


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	12FEB2020	SR	LI



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	2	19	22	40	38	45	47	34
DM	4	5	36	38	29	35	38	46	45



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* 3A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 3A 520V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 3A, 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

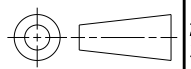
TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 1 mH

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 HIPOT
LINE TO GROUND FOR 1 MINUTE: 2856VDC
LINE TO LINE FOR 1 MINUTE: 2236VDC

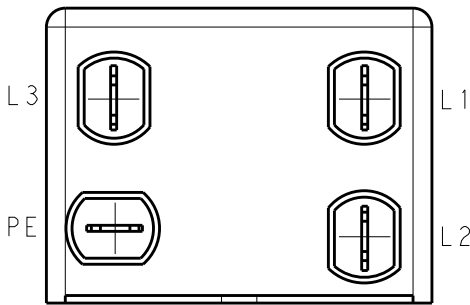
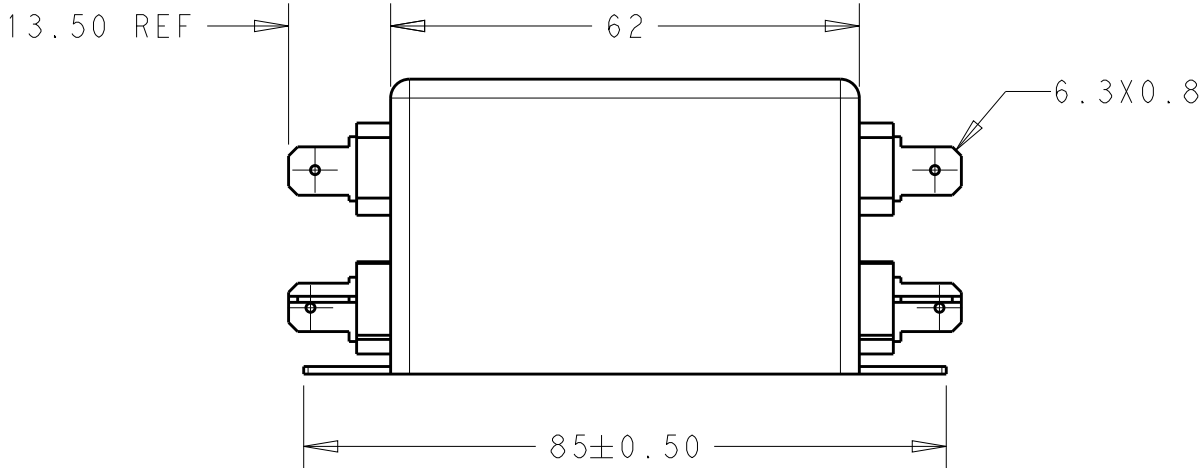
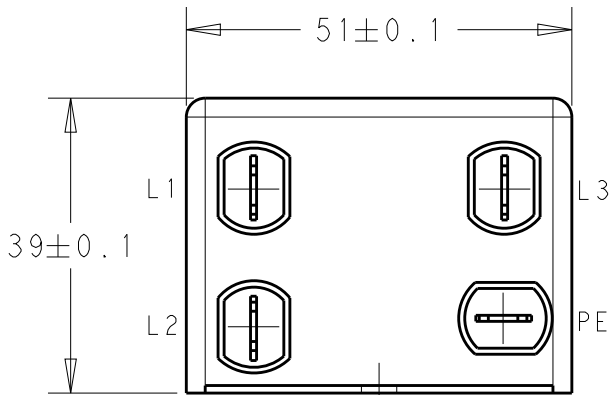
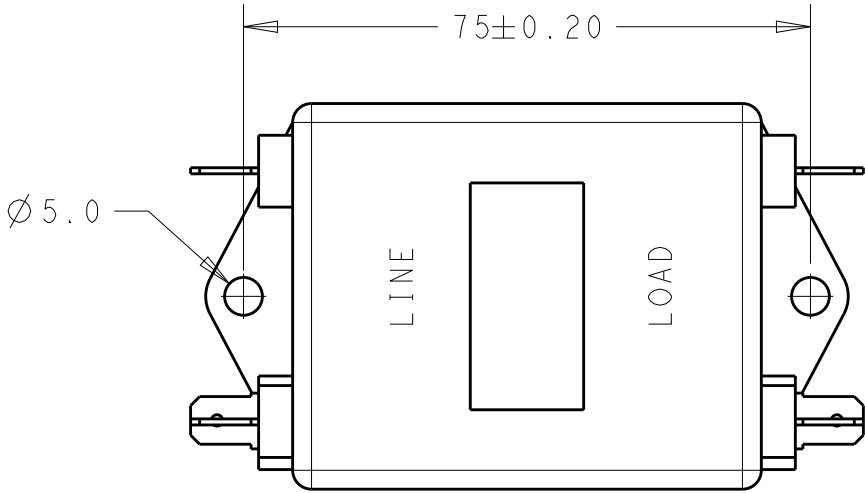
FILTER APPROVAL
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

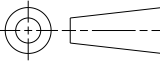
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 06FEB2020 SUPREETH R	 TE Connectivity		
DIMENSIONS: mm		CHK 06FEB2020 LEO IRUDHAYARAJ			
		APVD 06FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±-		-	NAME POWER LINE FILTER 3KEBS1BFPD		
1 PLC ±0.5		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
2 PLC ±0.40		-	A300779C-4-1609965-1		
3 PLC ±0.130		WEIGHT	SCALE 1:1 SHEET 1 OF 2 REV B		
4 PLC ±0.0500		CUSTOMER DRAWING			
ANGLES ±-					
MATERIAL		FINISH			
-		-			
-		-			

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

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 3KEBS1BFPD		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC	SIZE		
0 PLC ±0.5		APPLICATION SPEC	CAGE CODE		
1 PLC ±0.40		WEIGHT	DRAWING NO		
2 PLC ±0.130		CUSTOMER DRAWING	RESTRICTED TO		
3 PLC ±0.0500			SCALE 1:1		
4 PLC ±0.0500			SHEET 2 OF 2		
ANGLES ±0.0500			REV B		
FINISH					
MATERIAL					