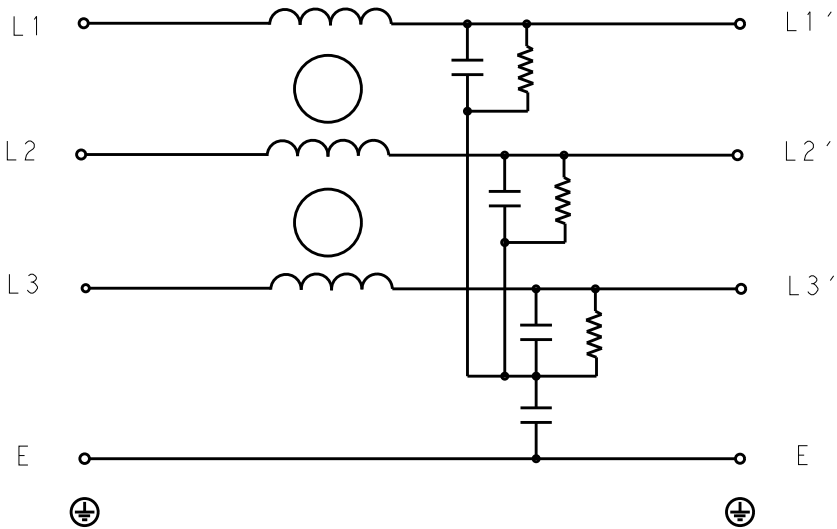


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	12FEB2020	SR	LI

LINE SIDE

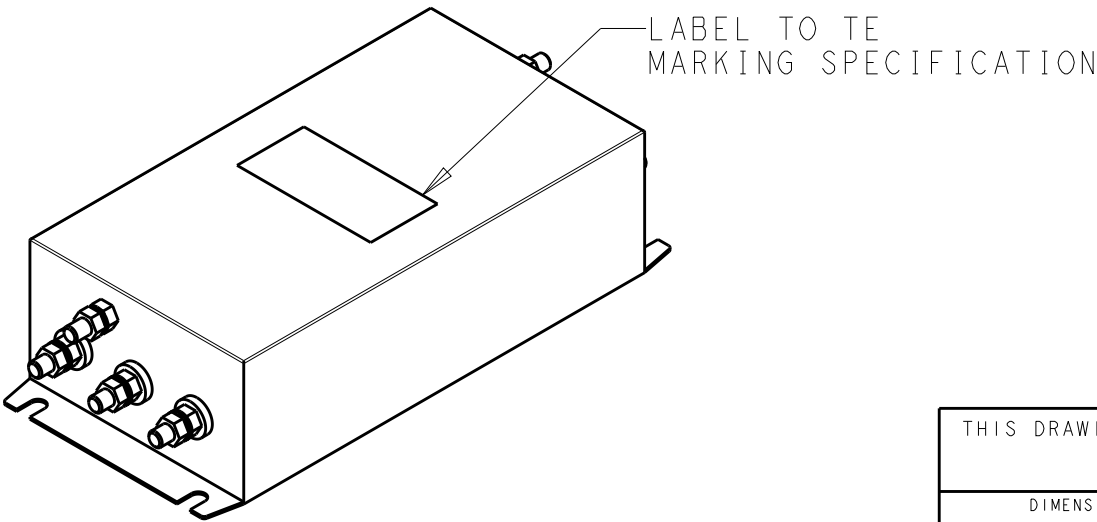
LOAD SIDE



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	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* 75A 520V 50Hz/60Hz 40°C
CSA CERTIFIED** 75A 520V 50Hz/60Hz 40°C
*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 75A, 520VAC
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 6mA @ 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

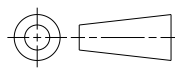
TEST SPECIFICATIONS
INDUCTANCE, NOMINAL: 0.2mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 22nF
LINE TO LINE, NOMINAL: 2.5μF

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.

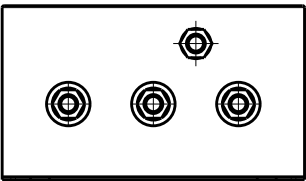
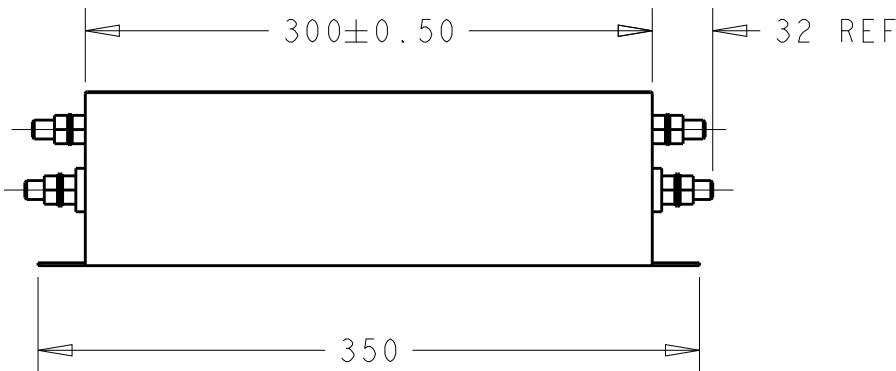
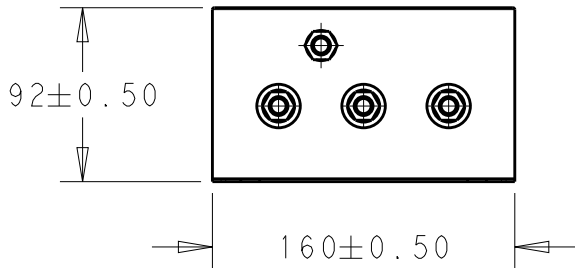
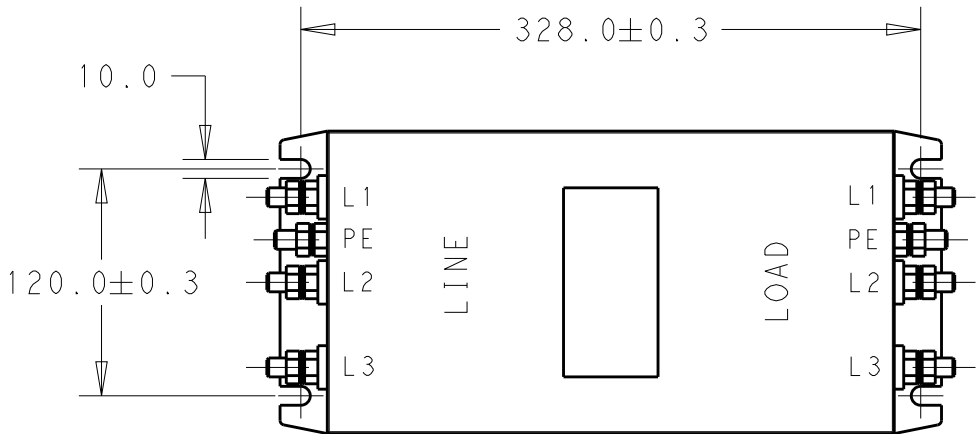
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 06FEB2020 SUPREETH R	 TE Connectivity		
DIMENSIONS: mm		CHK 06FEB2020 LEO IRUDHAYARAJ			
		APVD 06FEB2020 LEO IRUDHAYARAJ			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC			
0 PLC ±-		-	NAME POWER LINE FILTER 75KEBS6BFPD		
1 PLC ±0.5		APPLICATION SPEC	SIZE CAGE CODE DRAWING NO RESTRICTED TO		
2 PLC ±0.40		-	A300779C-5-1609965-1		
3 PLC ±0.130		WEIGHT	SCALE 1:4 SHEET 1 OF 2 REV B		
4 PLC ±0.0500		CUSTOMER DRAWING			
ANGLES ±-					
MATERIAL		FINISH			
-		-			
-		-			

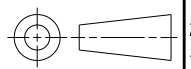
NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: 3.5-6 Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX
THREADED BOLT SIZE FOR TERMINAL: M8
THREADED BOLT SIZE FOR GROUND: M8

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 06FEB2020 SUPREETH R	 TE Connectivity		
DIMENSIONS:		CHK 06FEB2020 LEO IRUDHAYARAJ			
mm		APVD 06FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 75KEBS6BFPD		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		WEIGHT -	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-1609965-1
0 PLC ±0.5 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±0.5		CUSTOMER DRAWING	SCALE 1:4	SHEET 2 OF 2	REV B
MATERIAL -					
FINISH -					