

P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	08JUL2020	SB	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* 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: 12mA @ 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: 1.95µF
NEUTRAL TO GROUND, NOMINAL: 2.2µF
LINE TO NEUTRAL, NOMINAL: 13.6µF

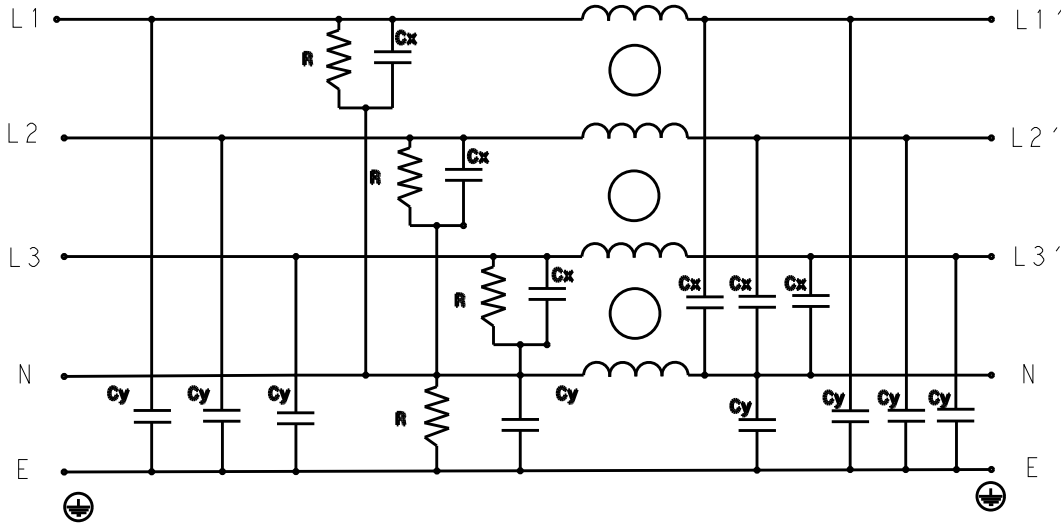
DISCHARGE RESISTOR
L/L I.R. 2MΩ 2W
L/N I.R. 1MΩ 2W
L/G I.R. 2MΩ 2W
N/G I.R. 1MΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6MΩ

RECOMMENDED RECEIVING INSPECITON HIPOT
LINE TO GROUND FOR 1 MINUTE: 2856VDC
LINE TO LINE FOR 1 MINUTE: 2236VDC
LINE TO NEUTRAL FOR 1 MINUTE: 1290VDC

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

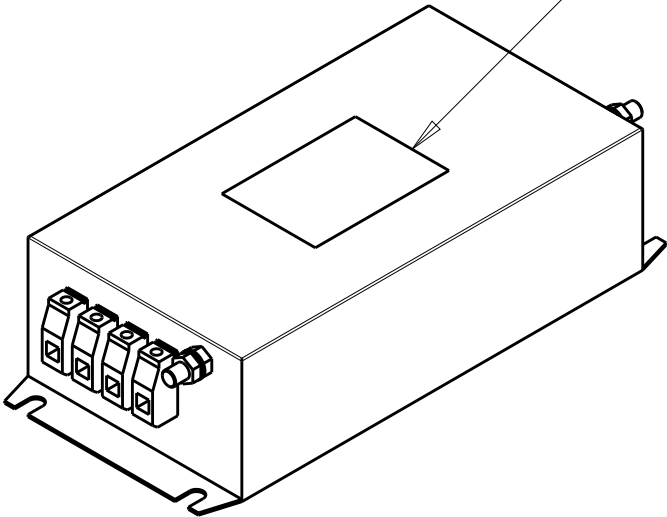


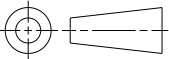
SCHEMATIC

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	50	50	51	53	50	48	42	36	34
DM	48	42	40	60	38	40	40	39	35

LABEL TO TE
MARKING SPECIFICATION



THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICARANA B 28FEB2020	 TE Connectivity		
DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 28FEB2020			
		APVD LEO IRUDHAYARAJ 28FEB2020			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 75KEPS10BFPW		
MATERIAL		WEIGHT	SIZE A3	CAGE CODE 00779	DRAWING NO C-5-1609968-1
		CUSTOMER DRAWING	SCALE 1:4	SHEET 1 OF 2	REV B

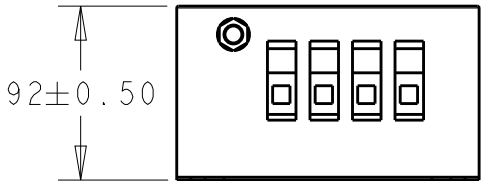
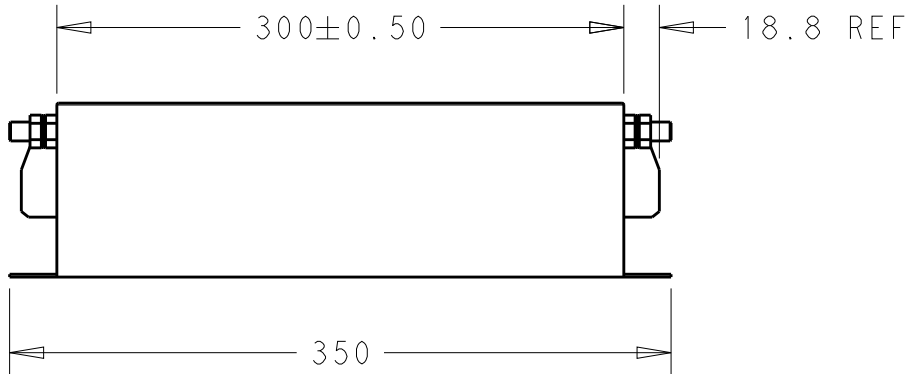
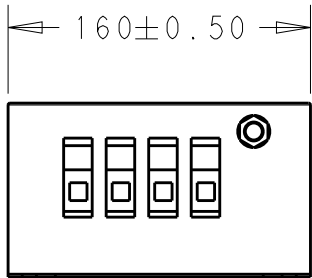
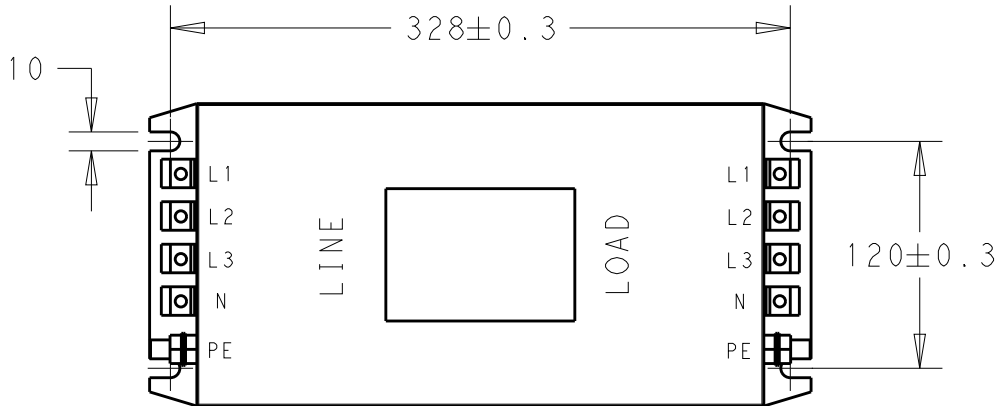
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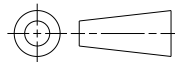
REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 2-2.2Nm / 18 -19.8 in.lbs
TORQUE GROUND NUTS: 3.5-6Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 12-8 AWG
WIRE SECTION: 16 mm²
THREADED BOLT SIZE FOR GROUND: M8



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DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 28FEB2020	NAME POWER LINE FILTER 75KEPS10BFPW				
		APVD LEO IRUDHAYARAJ 28FEB2020					
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC					
0 PLC ±-		-					
1 PLC ±0.5		-					
2 PLC ±0.40		-					
3 PLC ±0.130		APPLICATION SPEC					
4 PLC ±0.0500		-					
ANGLES ±-	WEIGHT		SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO
MATERIAL	FINISH	-	A3		00779	C-5-1609968-1	-
-	-	-	CUSTOMER DRAWING		SCALE	SHEET	REV
-	-	-			1:4	2 OF 2	B