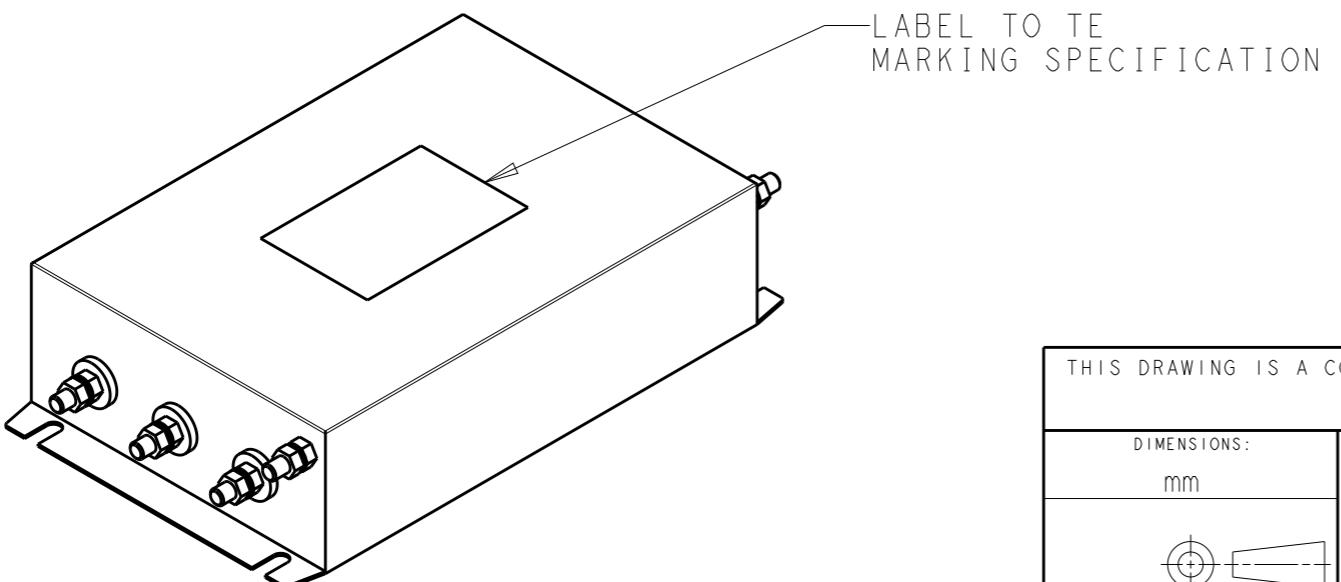


TYPICAL INSERTION LOSS
COMMON MODE 50/50Ω; DIFFERENTIAL MODE 50/50Ω

MHz	0.01	0.05	0.15	0.5	1	3	5	10	30
CM	32	35	51	51	47	39	35	29	26
DM	33	36	52	52	47	40	37	31	25



REVISIONS			
P	LTR	DESCRIPTION	DATE
	B	INITIAL RELEASE	07JUL2020
			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*

250A 440V 50Hz/60Hz 40°C

CSA CERTIFIED**

250A 440V 50Hz/60Hz 40°C

* 31 JULY 2020 ; ** 31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 250A, 440VAC

LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 20mA @ 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: 0.12mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 2.04μF

LINE TO LINE, NOMINAL: 6.8μF

DISCHARGE RESISTOR

L/G I.R. 1MΩ 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

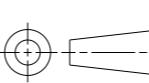
RECOMMENDED RECEIVING INSPECTION HIPOT

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.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 04MAR2020 SHRICHARANA B	TE Connectivity
DIMENSIONS: mm		CHK 04MAR2020 LEO IRUDHAYARAJ	
 0 PLC ± 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±		APVD 04MAR2020 LEO IRUDHAYARAJ	
PRODUCT SPEC -		APPLICATION SPEC -	
MATERIAL -	FINISH -	WEIGHT -	NAME POWER LINE FILTER 250KEMS6AFPD
			SIZE CAGE CODE DRAWING NO RESTRICTED TO A300779C-2-1609967-6 -
			SCALE 1:4 SHEET 1 OF 2 REV B
CUSTOMER DRAWING			

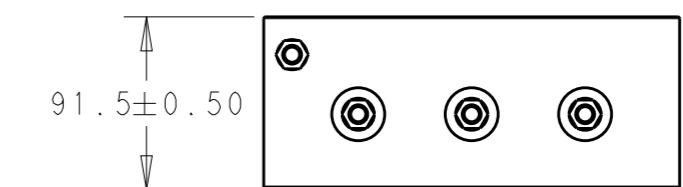
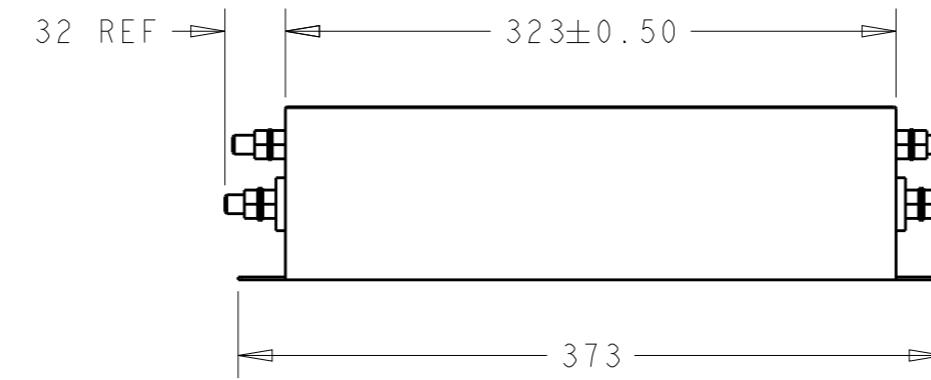
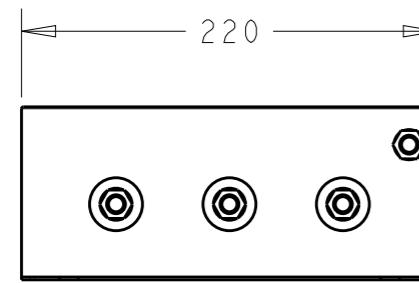
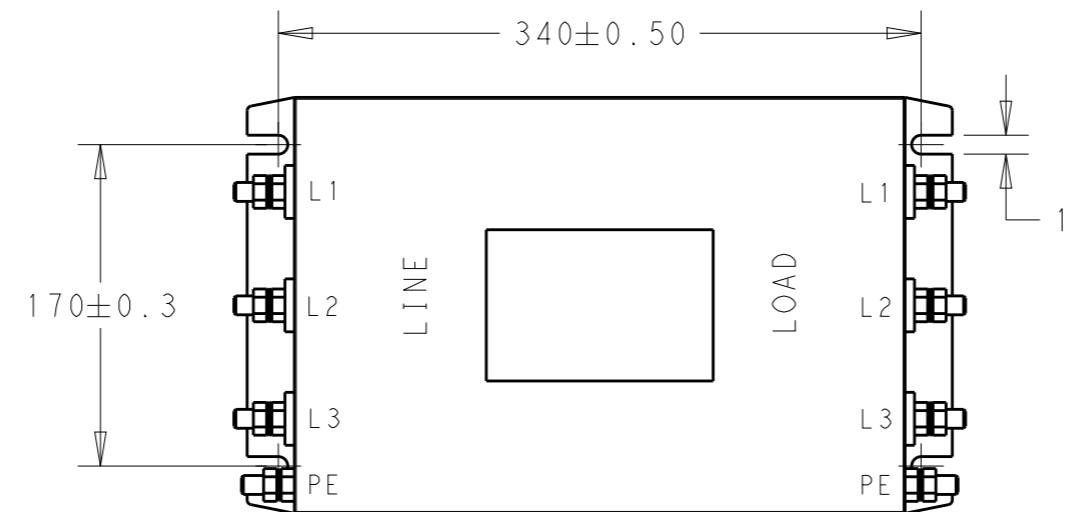
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NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL /GROUND NUTS: 4-10Nm

D NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: XXX
THREADED BOLT SIZE FOR TERMINAL: M10
THREADED BOLT SIZE FOR GROUND: M10

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

TOLERANCES UNLESS
OTHERWISE SPECIFIED:

0 PLC	±-
1 PLC	±0.5
2 PLC	±0.40
3 PLC	±0.130
4 PLC ANGLES	±0.0500 ±-

MATERIAL

FINISH

WEIGHT

-

DWN 04MAR2020
SHRICHARANA B
CHK 04MAR2020
LEO IRUDHAYARAJ
APVD 04MAR2020
LEO IRUDHAYARAJ

PRODUCT SPEC

APPLICATION SPEC

CUSTOMER DRAWING



TE Connectivity

POWER LINE FILTER
250KEMS6AFPD

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A 300779	C-2-1609967-6		-

SCALE 1:4 SHEET 2 OF 2 REV B