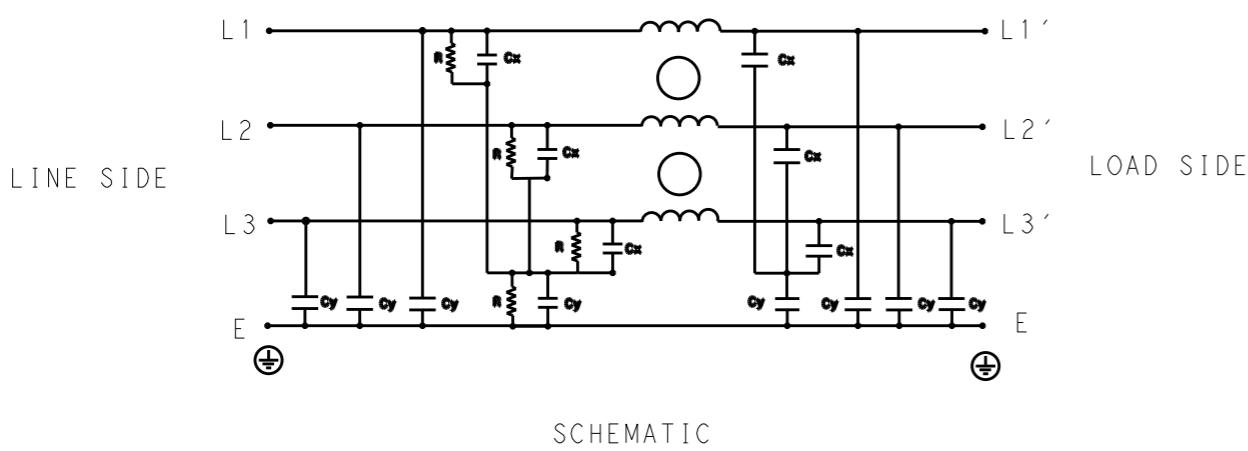
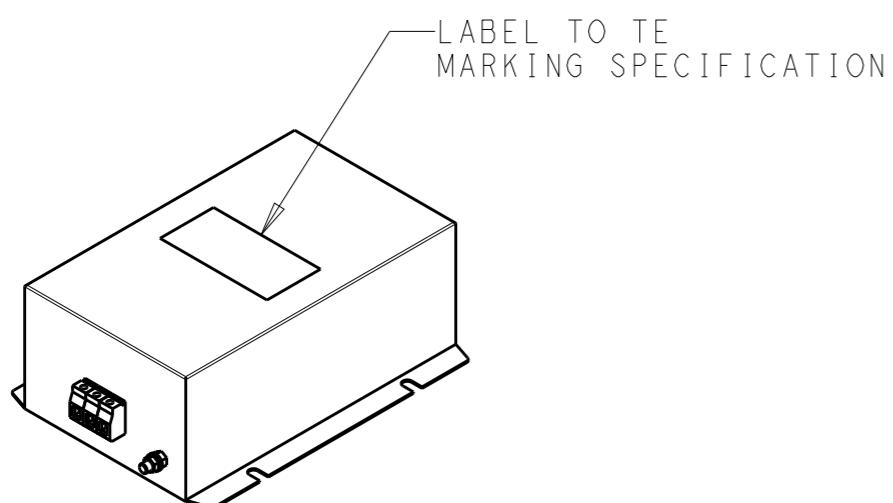


P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	60	55	48	38	32	30	28	44	35
DM	54	50	46	40	35	42	29	40	50



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*

36A 440V 50Hz/60Hz 40 °C

CSA CERTIFIED**

36A 440V 50Hz/60Hz 40 °C

* 31 JULY 2020 ; ** 31 AUGUST 2020

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 36A, 440VAC

LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 18mA @ 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: 2mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 1.86μF

LINE TO LINE, NOMINAL: 5μF

DISCHARGE RESISTOR

L/G I.R. 1MΩ 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

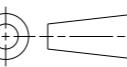
RECOMMENDED RECEIVING INSPECTION HIPOT

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.

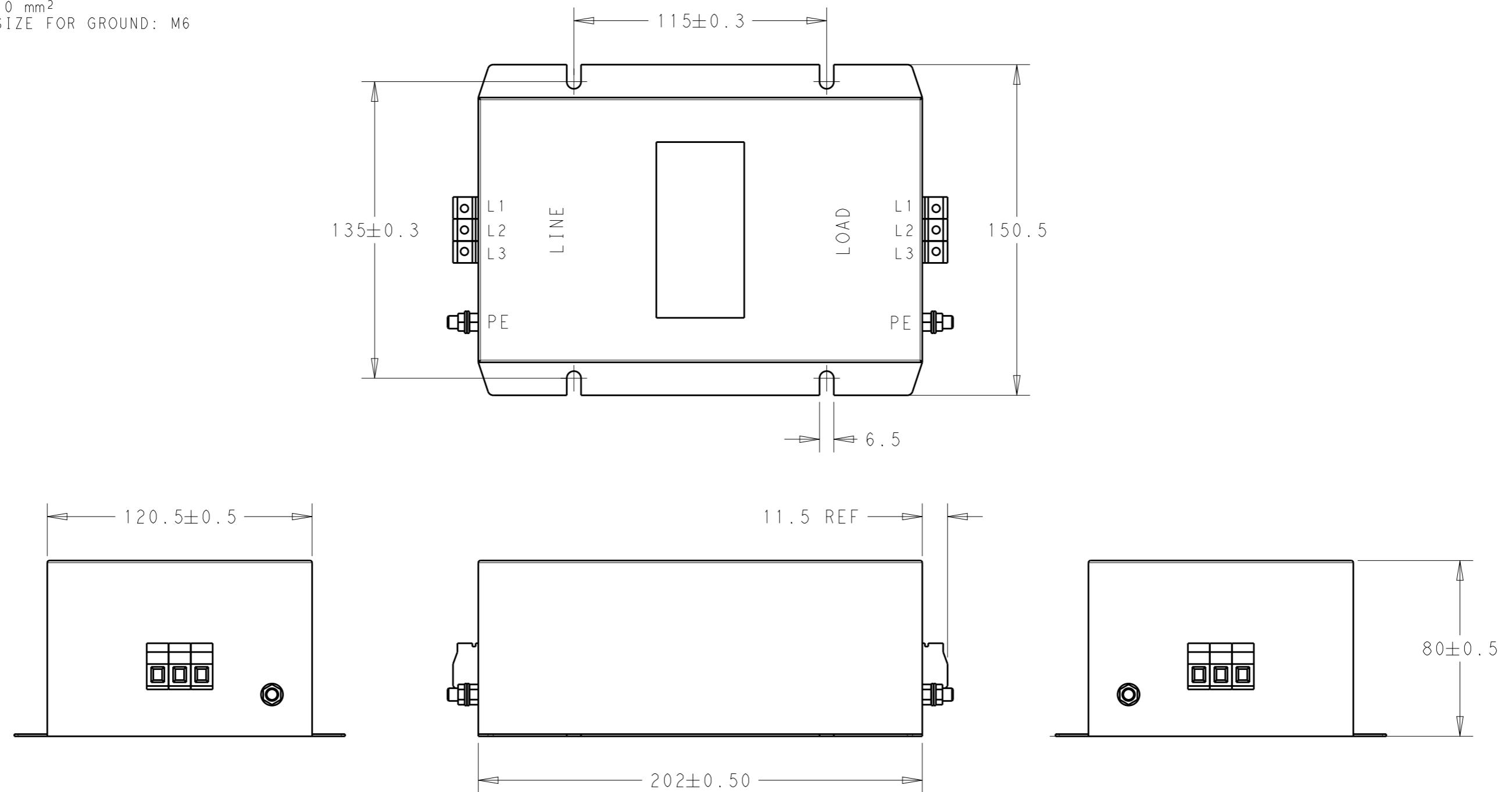
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRICHARANA B CHK LEO IRUDHAYARAJ APVD LEO IRUDHAYARAJ	TE Connectivity
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ANGLES ±0.0500 ±-	NAME POWER LINE FILTER 36KEMS10AFPD
		PRODUCT SPEC - APPLICATION SPEC - CUSTOMER DRAWING	SIZE A3 CAGE CODE 00779 DRAWING NO C-1-1609967-6 RESTRICTED TO - SCALE 1:4 SHEET 1 OF 2 REV B
MATERIAL	FINISH	WEIGHT	
-	-	-	
-	-	-	

NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 1.2Nm / 10.8 in. lbs
TORQUE GROUND NUTS: 2.5-3Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 26-8 AWG
WIRE SECTION: 10 mm²
THREADED BOLT SIZE FOR GROUND: M6

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

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

MATERIAL

-

FINISH	-
	-

WEIGHT -

CUSTOMER DRAWING

DWN 20FEB2020
SHRICHARANA BCHK 20FEB2020
LEO IRUDHAYARAJAPVD 20FEB2020
LEO IRUDHAYARAJ

PRODUCT SPEC

APPLICATION SPEC

-



TE Connectivity

NAME
POWER LINE FILTER
36KEMS10AFPD

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A 300779	C-1-1609967-6		-