

P	LTR	DESCRIPTION	DATE	DWN	APVD
	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* 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 INSPECITON 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.

LINE SIDE

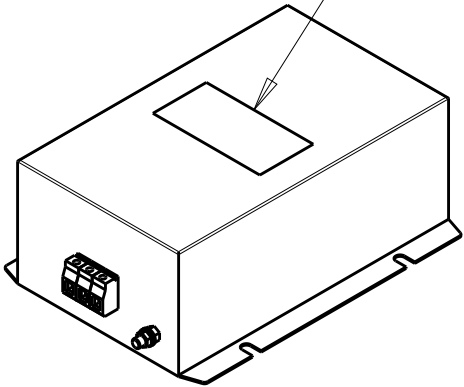
LOAD SIDE


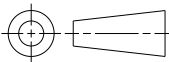
SCHEMATIC

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

LABEL TO TE
MARKING SPECIFICATION

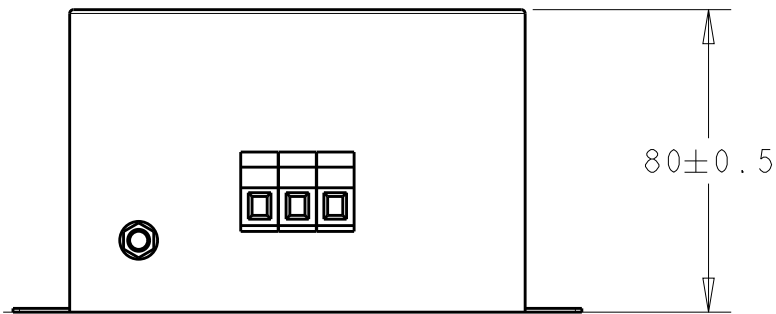
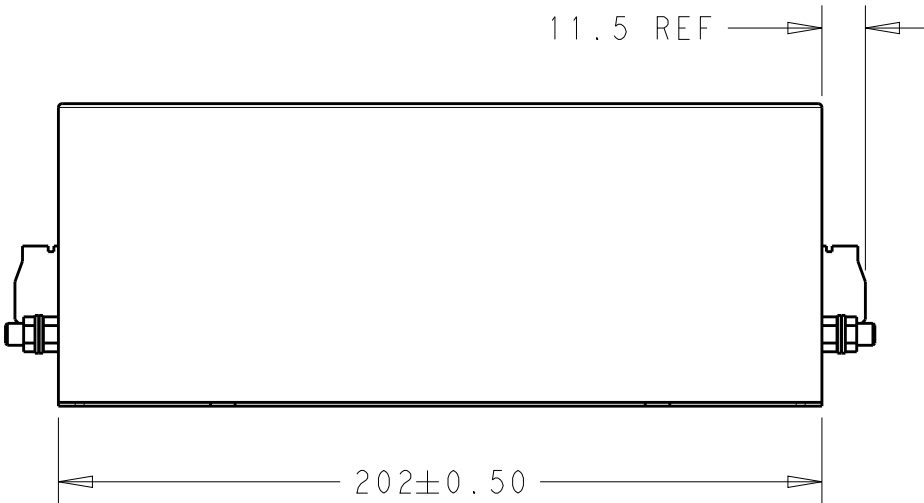
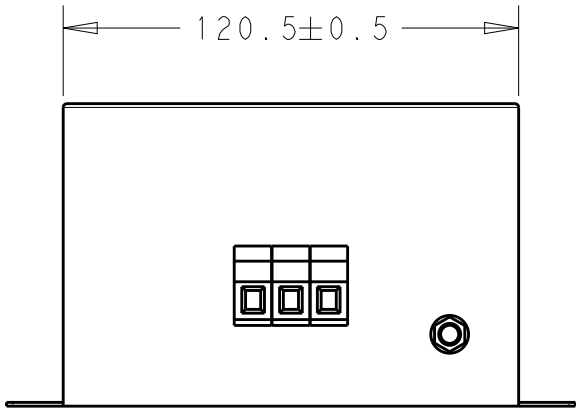
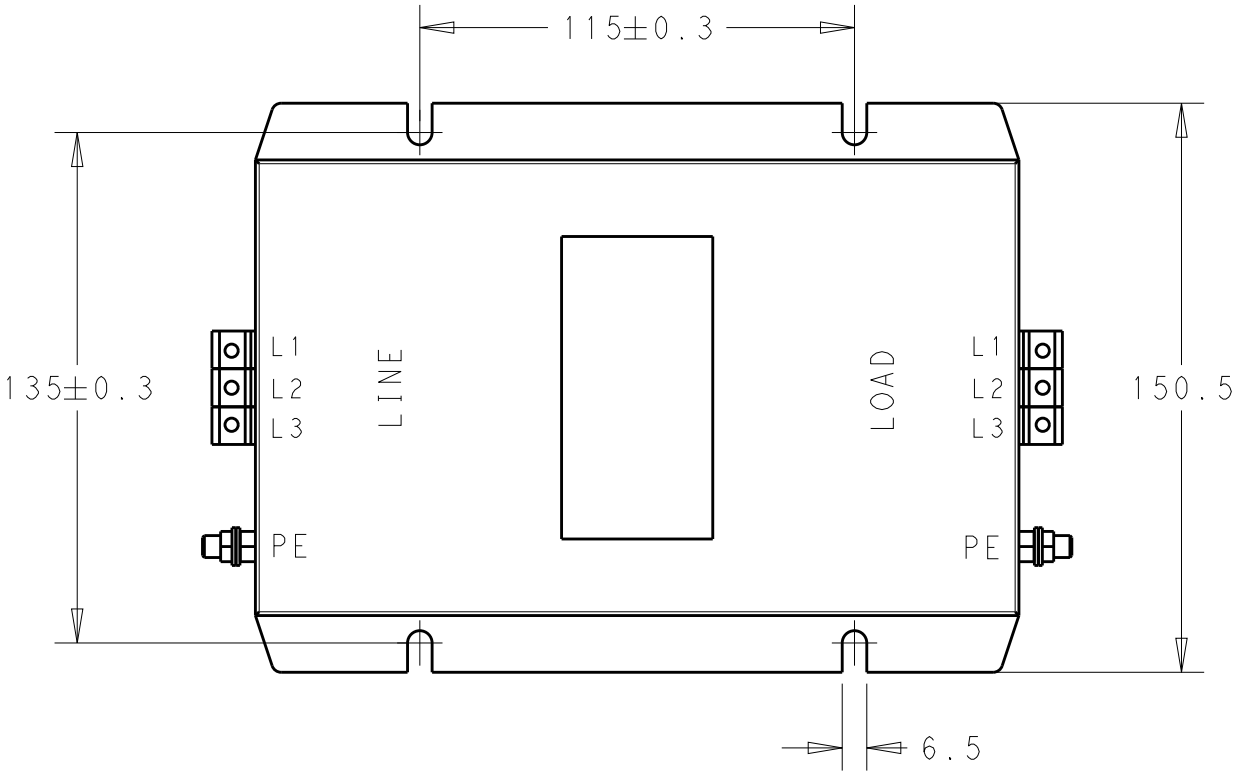



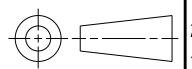
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN 20FEB2020 SHRICHARANA B	 TE Connectivity		
DIMENSIONS: mm		CHK 20FEB2020 LEO IRUDHAYARAJ			
		APVD 20FEB2020 LEO IRUDHAYARAJ			
		PRODUCT SPEC			
		APPLICATION SPEC	NAME POWER LINE FILTER 36KEMS10AFPD		
MATERIAL		WEIGHT	SIZE	CAGE CODE	DRAWING NO
			A3	00779	C-1-1609967-6
		CUSTOMER DRAWING	SCALE	SHEET	REV
			1:4	1 OF 2	B

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			

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



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DIMENSIONS: mm		CHK LEO IRUDHAYARAJ 20FEB2020			
		APVD LEO IRUDHAYARAJ 20FEB2020	NAME POWER LINE FILTER 36KEMS10AFPD		
		PRODUCT SPEC -	SIZE A3		
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	CAGE CODE 00779		RESTRICTED TO -
MATERIAL -		WEIGHT -	DRAWING NO C-1-1609967-6		
FINISH -		CUSTOMER DRAWING	SCALE 1:2	SHEET 2 OF 2	REV B