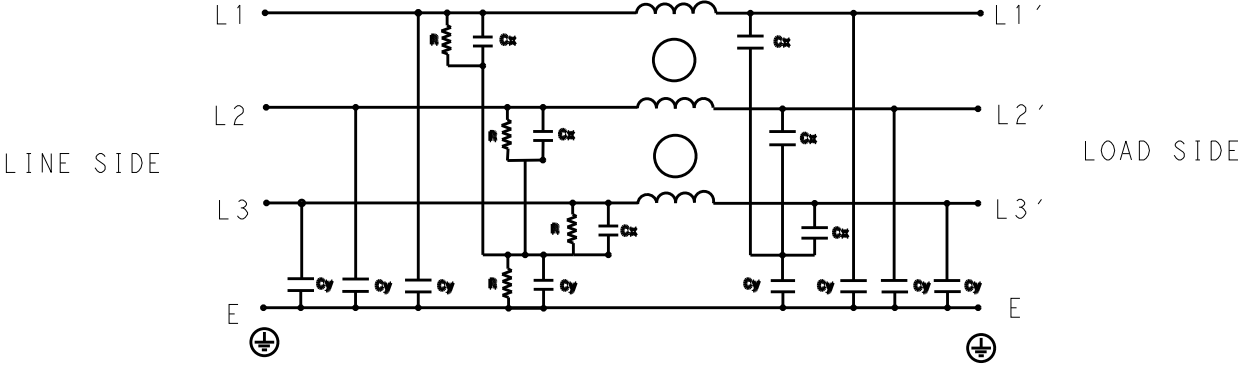


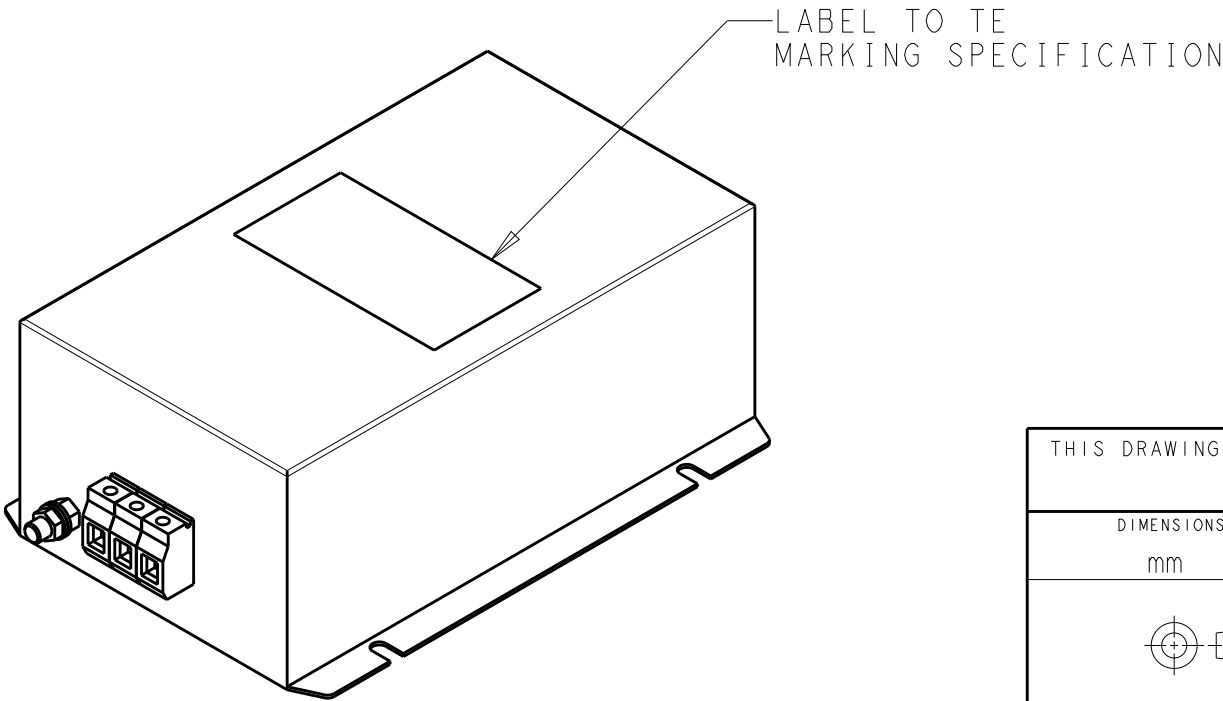
P	LTR	DESCRIPTION	DATE	DWN	APVD
	B	INITIAL RELEASE	07JUL2020	SB	LI



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	65	64	61	55	51	42	38	33	27
DM	20	23	36	61	49	38	34	29	25



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* 10A 440V 50Hz/60Hz 40°C
CSA CERTIFIED** 10A 440V 50Hz/60Hz 40°C

*31 JULY 2020 ; **31 AUGUST 2020

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 10A, 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: 8mH

CAPACITANCE @ 1kHz
LINE TO GROUND, NOMINAL: 1.1μF
LINE TO LINE, NOMINAL: 1μF

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

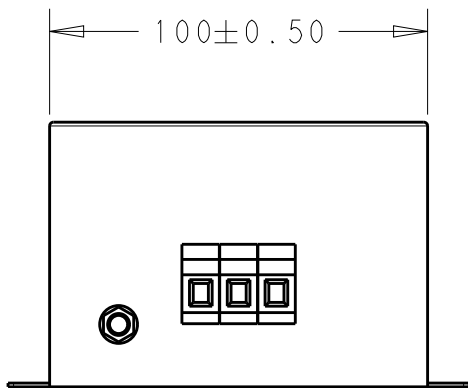
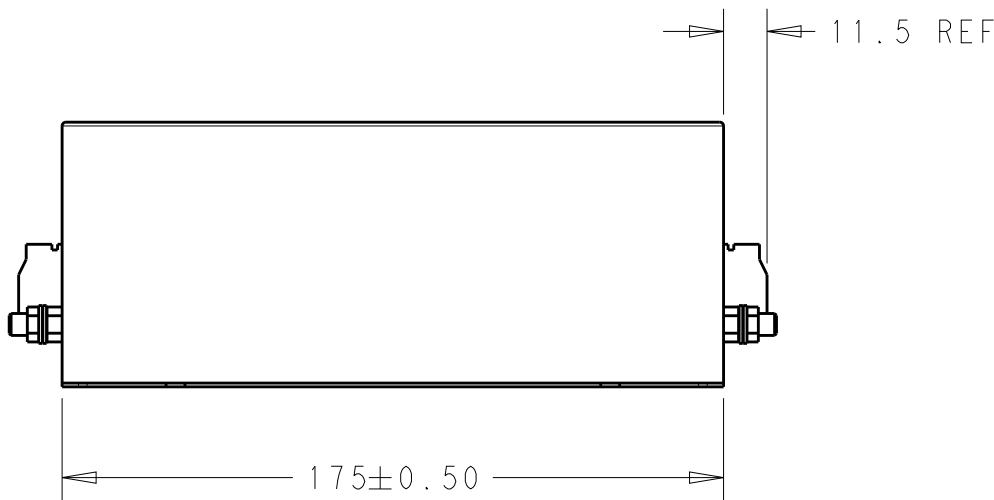
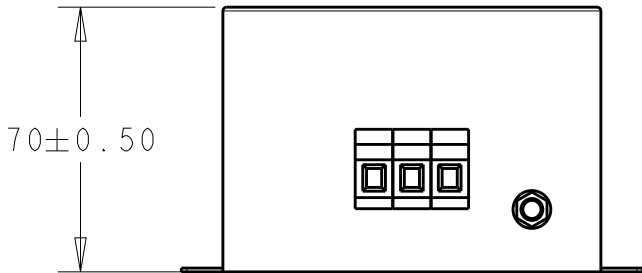
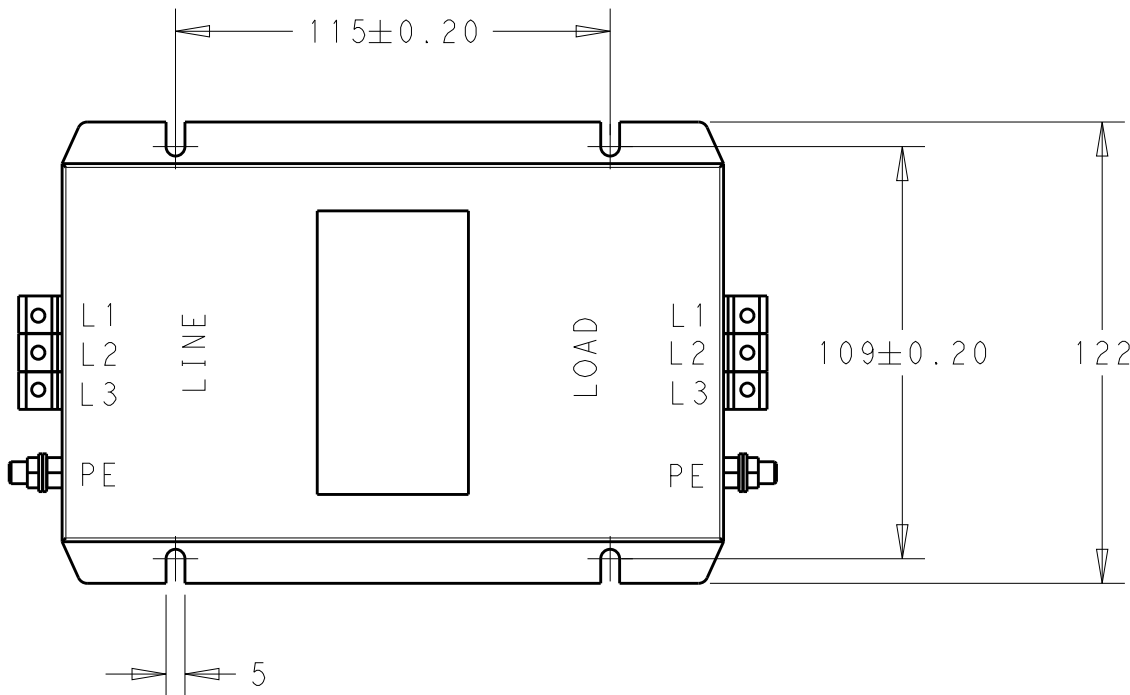
FILTER APPROVAL
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

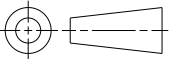
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN SHRIC HARANA B 20FEB2020	TE Connectivity			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.5 2 PLC ±0.40 3 PLC ±0.130 4 PLC ±0.0500 ANGLES ±-	CHK LEO IRUDHAYARAJ 20FEB2020				
		APVD LEO IRUDHAYARAJ 20FEB2020	NAME POWER LINE FILTER 10KEMS10AFPD			
		PRODUCT SPEC -				
APPLICATION SPEC -		SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO -	
MATERIAL - -		FINISH - -	WEIGHT -	A3		00779
CUSTOMER DRAWING			SCALE 1:2	SHEET 1 OF 2	REV B	

NOTE 1 GROUND CONNECTION:
DO NOT LOOSEN INNER GROUND NUTS.
TORQUE OUTER TERMINAL SCREWS: 0.5Nm / 4.5 in.lbs
TORQUE GROUND NUTS: 2.5-3Nm

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL
AWG SIZE: 26-12 AWG
WIRE SECTION: 4 mm²
THREADED BOLT SIZE FOR GROUND: M6

P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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 10KEMS10AFPD		
MATERIAL -		WEIGHT -	SIZE A3	CAGE CODE 00779	RESTRICTED TO -
		CUSTOMER DRAWING	DRAWING NO C-1-1609967-2	SCALE 1:2	REV B
			SHEET 2	OF 2	