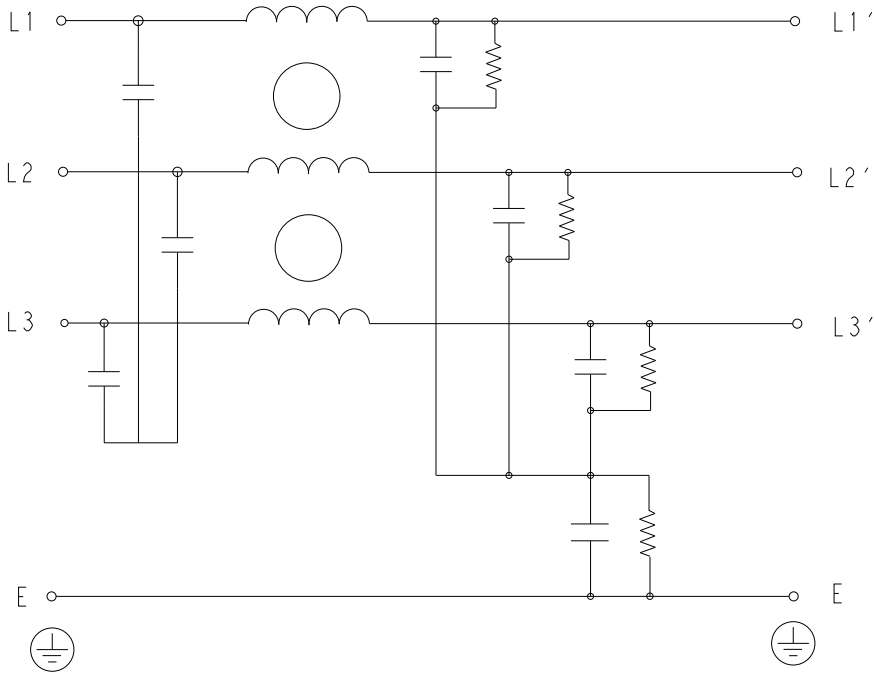


REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASED FOR PRODUCTION	08AUG2022	KS	CB

LINE SIDE



LOAD SIDE

TYPICAL CIRCUIT DIAGRAM

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

10 AHV S FP									
FREQUENCY(MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	7	21	31	40	45	51	62	42	25
DIFFERENTIAL MODE	18	35	75	82	86	78	75	70	67

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 AS PER  
UL 60939-3 AND CSA22.2 No 8 10A 760V/750V 50Hz/60Hz 40°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 10A, 760VAC/750VAC  
LINE FREQUENCY: 50/60Hz

MAXIMUM LEAKAGE CURRENT: 2mA @ 760VAC, 50Hz

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -25°C TO +40°C

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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: 5mH

CAPACITANCE @ 1kHz

LINE TO GROUND, NOMINAL: 9.95nF

LINE TO LINE, NOMINAL: 2.2μF

DISCHARGE RESISTOR

LINE TO GROUND I.R. 2.18MΩ 1W

LINE TO LINE I.R. 3MΩ 1W

IR (NO DISCHARGE RESISTOR) 20 °C, 50% RH AND 100VDC, MIN: 6MΩ


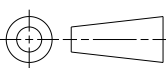
HIPOT RATING (ONE MINUTE)

LINE TO GROUND: 3535VDC

LINE TO LINE: 3268VDC

FILTER APPROVAL

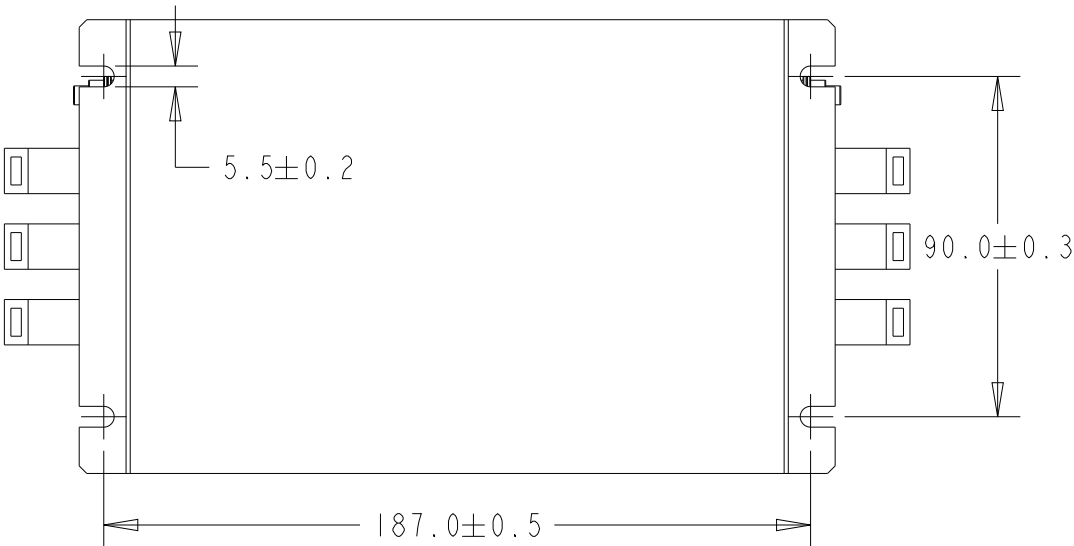
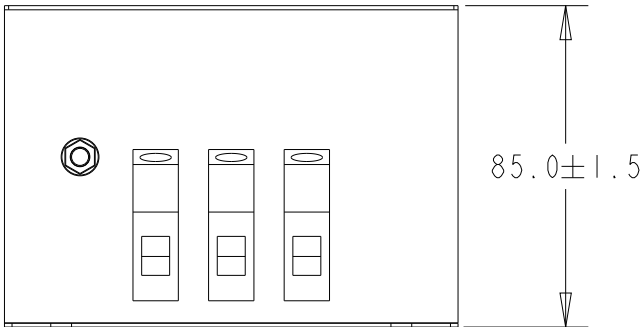
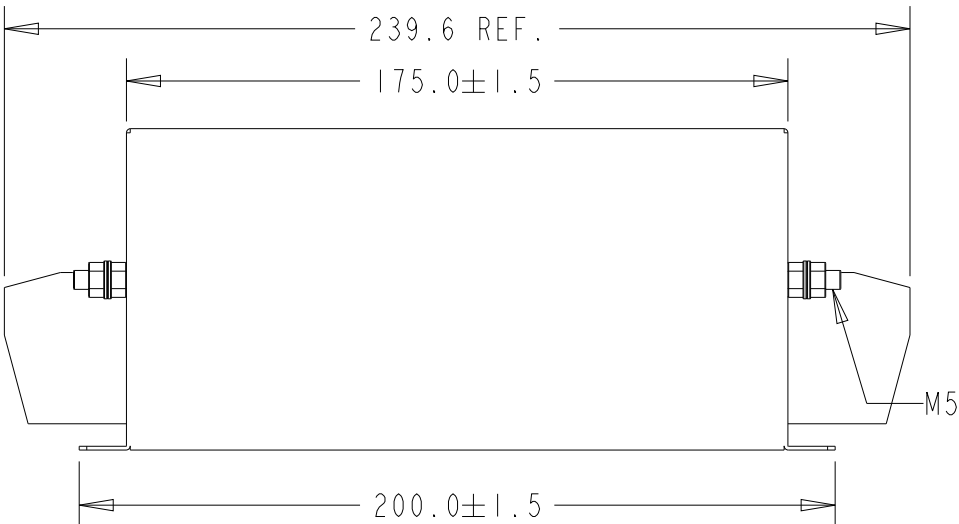
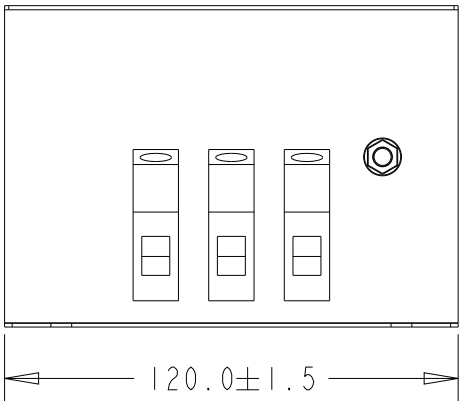
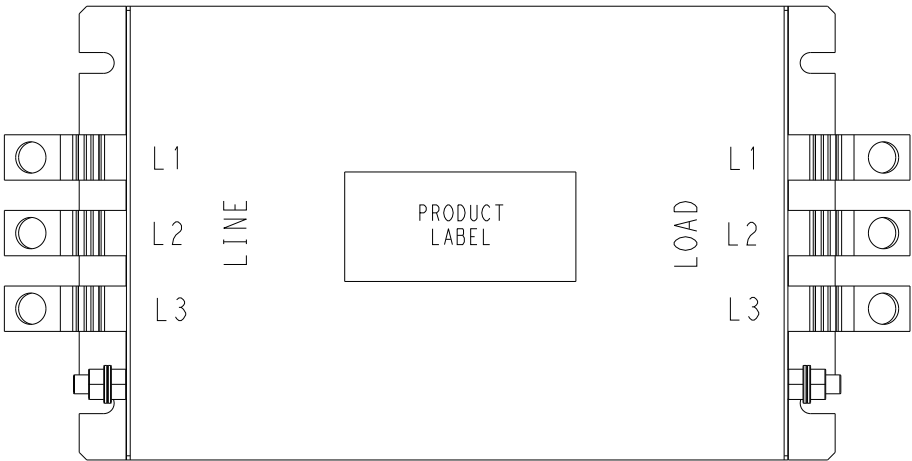
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. BANGERA	08AUG2022	 TE Connectivity		
DIMENSIONS: mm		CHK C. BOLLE	08AUG2022			
		APVD L. IRUDHAYARAJ	08AUG2022			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC 2426165-1				
MATERIAL		FINISH	-	NAME 760V POWER LINE FILTER 10 AHV S FP		
0 PLC ± 1 PLC ±0.5 2 PLC ±0.13 3 PLC ±0.013 4 PLC ±0.0001 ANGLES ±		APPLICATION SPEC -		SIZE A3	CAGE CODE 00779	DRAWING NO C-2405081-2
-		WEIGHT 3 Kgs		RESTRICTED TO -		
-		CUSTOMER DRAWING		SCALE 1:2	SHEET 1 OF 2	REV A

RoHS Compliant

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-


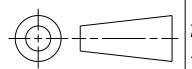


NOTE 1 GROUND CONNECTION:  
DO NOT LOOSEN INNER GROUND NUTS.  
M5 GROUND NUTS TYP. TORQUE (Nm): 7

NOTE 2 INPUT OUTPUT CONNECTION TERMINAL:  
CONNECTION METHOD: SCREW CONNECTION WITH TENSION SLEEVE.  
WIRE SIZE CROSS SECTION RANGE FLEXIBLE CONDUCTOR (mm<sup>2</sup>): 0.5 - 16  
WIRE STRIP LENGTH (mm): 16  
CONNECTOR TERMINAL SCREW TORQUE MIN - MAX (Nm): 2.0 - 2.3

THE ABOVE DATA IS FOR GUIDANCE/REFERENCE ONLY.  
TERMINALS WILL ACCEPT A RANGE OF WIRE C.S.A. BUT WIRE SIZE USED SHOULD BE SUITABLE  
FOR OPERATING CURRENT.

RoHS Compliant

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN D. BANGERA 08AUG2022	 TE Connectivity		
DIMENSIONS: mm		CHK C. BOLLE 08AUG2022			
		APVD L. IRUDHAYARAJ 08AUG2022			
		PRODUCT SPEC 2426165-1			
TOLERANCES UNLESS OTHERWISE SPECIFIED:		APPLICATION SPEC -	NAME 760V POWER LINE FILTER 10 AHV S FP		
MATERIAL		WEIGHT 3 Kgs	SIZE A3	CAGE CODE 00779	DRAWING NO C-2405081-2
FINISH -		CUSTOMER DRAWING	SCALE 1:4	SHEET 2 OF 2	RESTRICTED TO - REV A