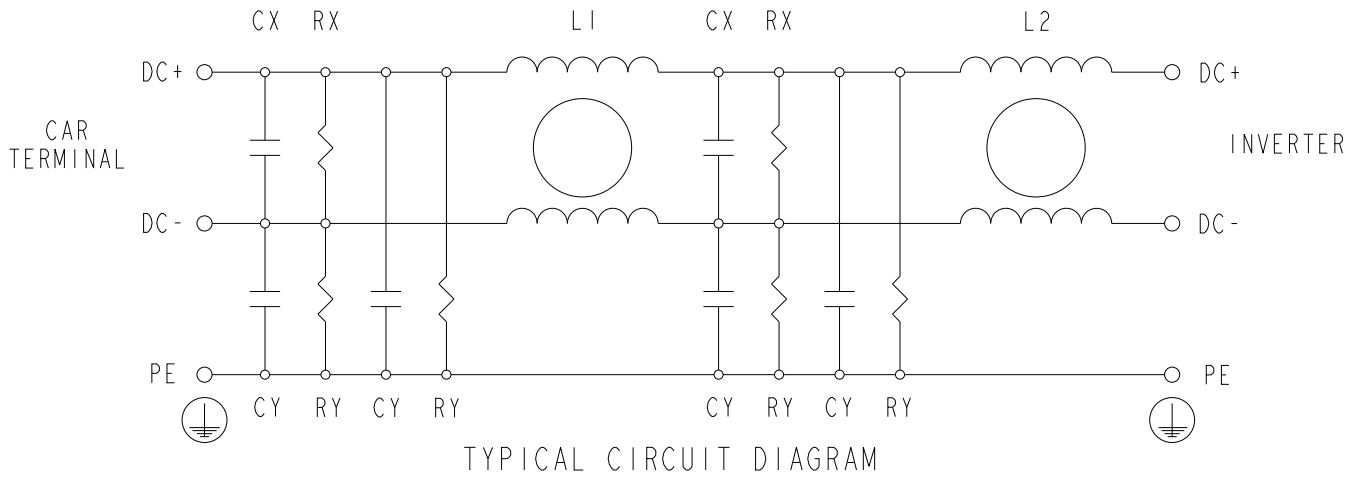


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE TO PRODUCTION	04MAY2023	DM	CB



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 450A / 1500VDC / 55°C

OPERATING SPECIFICATION  
LINE CURRENT/VOLTAGE: 450A, 1500VDC

OVERLOAD CAPABILITY: 135% RATED CURRENT FOR 15 MINUTES

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT: -40°C TO +55°C

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{55}}$$

RELIABILITY SPECIFICATIONS  
STORAGE TEMPERATURE: -40°C TO +100°C  
HUMIDITY: 21 DAYS @ 40°C AND 95% RH

TEST SPECIFICATIONS  
INDUCTANCE, NOMINAL: 0.036mH

CAPACITANCE @ 1kHz, 0.250VAC MAX, 25°C +/-1°C  
LINE TO GROUND, NOMINAL: 100nF +/-20%  
LINE TO LINE, NOMINAL: 4.4µF +/-20%

DISCHARGE RESISTOR  
LINE TO GROUND: 7.14MΩ 2W  
LINE TO LINE : 15MΩ 2W  
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6GΩ


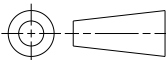
HIPOT RATING (ONE MINUTE)  
LINE TO GROUND: 6000 VDC FOR 2 SECONDS  
LINE TO LINE: 3600 VDC FOR 2 SECONDS

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

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

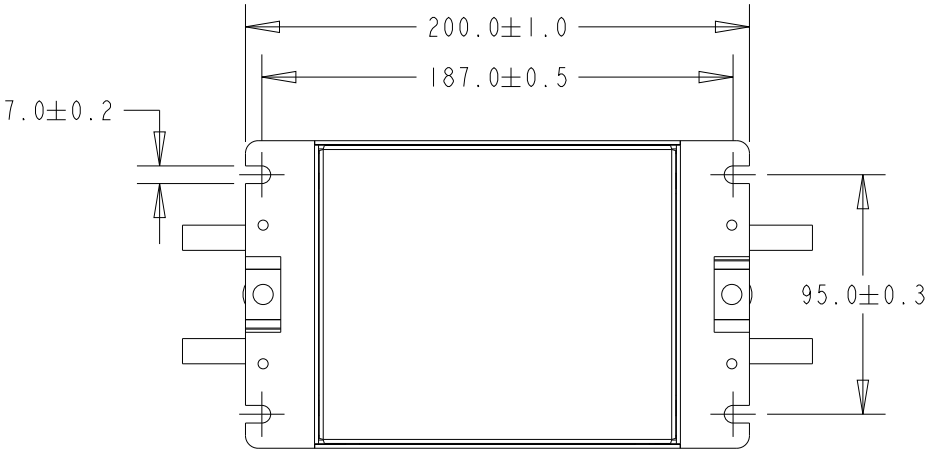
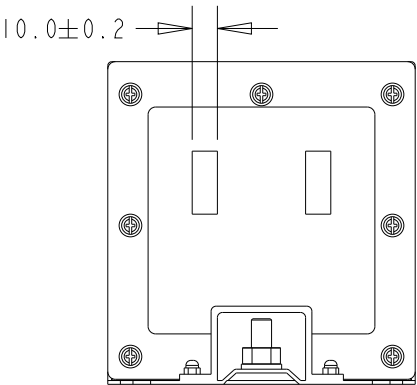
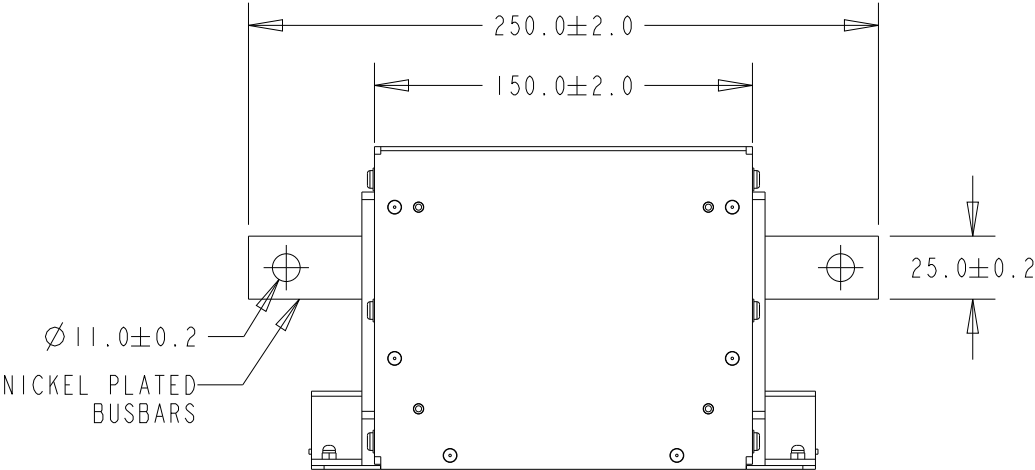
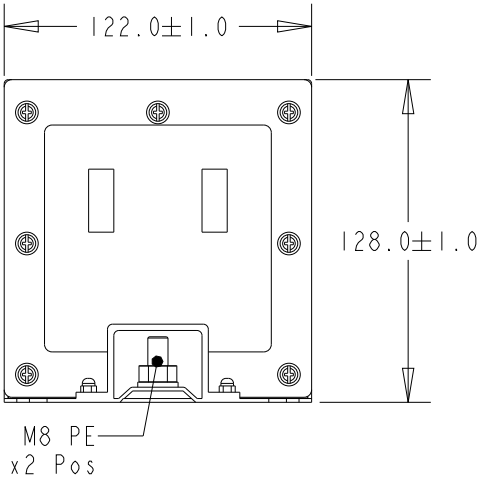
450 EVX C B									
FREQUENCY(MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	0	0	7	28	37	27	24	21	23
DIFFERENTIAL MODE	22	34	46	51	44	38	37	33	17

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
I-2443555-0	450 EVX C B	100

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.BOLLE 10JAN2023	 TE Connectivity				
		CHK L.RAJ 25APR2023					
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD L.RAJ 25APR2023	NAME 450 EVX C B HIGH CURRENT DC EMI FILTER 1500V 450A				
	0 PLC ±- 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ±-	PRODUCT SPEC -					
MATERIAL - -	FINISH - -	APPLICATION SPEC -	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-2443555-0	RESTRICTED TO -	
CUSTOMER DRAWING					SCALE 1:6	SHEET 1 OF 2	REV A

REVISIONS


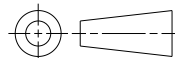
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



NOTE 1 GROUND CONNECTIONS:  
M8 GROUND NUTS TYP. TORQUE (Nm): 7  
REMOVE PLASTIC COVER. MAKE CONNECTION. REPLACE PLASTIC COVER.

NOTE 2 INPUT OUTPUT CONNECTION BUSBAR:  
CONNECTION METHOD: SCREW CONNECTION M11 FASTENER.

THE ABOVE DATA IS FOR GUIDANCE/REFERENCE ONLY.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C. BOLLE	10JAN2023		 TE Connectivity		
		CHK L. RAJ	25APR2023				
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD L. RAJ	25APR2023		NAME 450 EVX C B HIGH CURRENT DC EMI FILTER 1500V 450A		
	0 PLC ±- 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ±-	PRODUCT SPEC -					
MATERIAL - -	FINISH - -	APPLICATION SPEC -		SIZE A3	CAGE CODE 00779	DRAWING NO C-1-2443555-0	RESTRICTED TO -
		WEIGHT -		CUSTOMER DRAWING			
				SCALE 1:6	SHEET 2 OF 2	REV A	