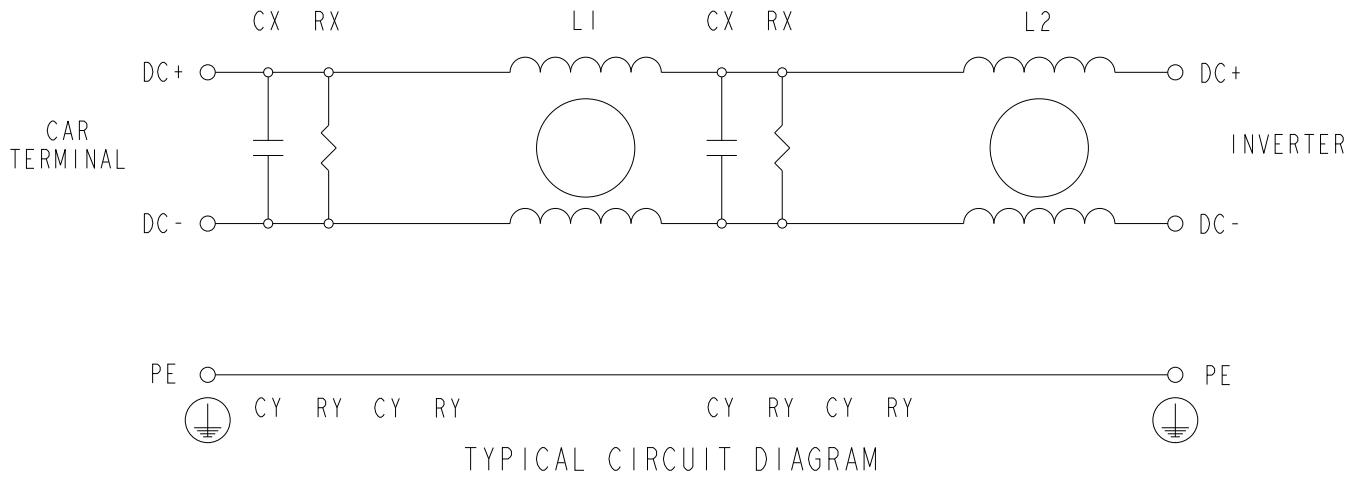


D

C

B

A



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

450 EVX A A									
FREQUENCY(MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	0	0	1	2	2	1	1	1	2
DIFFERENTIAL MODE	23	36	45	46	41	34	32	29	21

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
2443552-9	450 EVX A A	0

2

REVISIONS					
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 / 500VDC / 55°C

OPERATING SPECIFICATION  
LINE CURRENT/VOLTAGE: 450A, 500VDC

OVERLOAD CAPABILTY: 135% RATED CURRENT FOR 15 MINUTES

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

IN AN AMBIENT, Ta, HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT, Io, 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


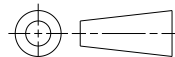
TEST SPECIFICATIONS  
INDUCTANCE, NOMINAL: 0.036mH

CAPACITANCE @ 1kHz, 0.250VAC MAX, 25°C +/-1°C  
LINE TO GROUND, NOMINAL: 0nF +/-20%  
LINE TO LINE, NOMINAL: 6.6μF +/-20%

DISCHARGE RESISTOR  
LINE TO GROUND: 0MΩ 2W  
LINE TO LINE : 5MΩ 2W  
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6GΩ

HIPOT RATING (ONE MINUTE)  
LINE TO GROUND: 2500 VDC FOR 2 SECONDS  
LINE TO LINE: 2000 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.

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 A A HIGH CURRENT DC EMI FILTER 500V 450A				
	0 PLC ±-	PRODUCT SPEC	-	SIZE		CAGE CODE	DRAWING NO	RESTRICTED TO
	1 PLC ±0.1	APPLICATION SPEC	-	A3		00779	©-2443552-9	-
	2 PLC ±0.01							
	3 PLC ±0.001							
	4 PLC ±0.0001							
	ANGLES ±-							
MATERIAL -	FINISH -	WEIGHT	-					

D

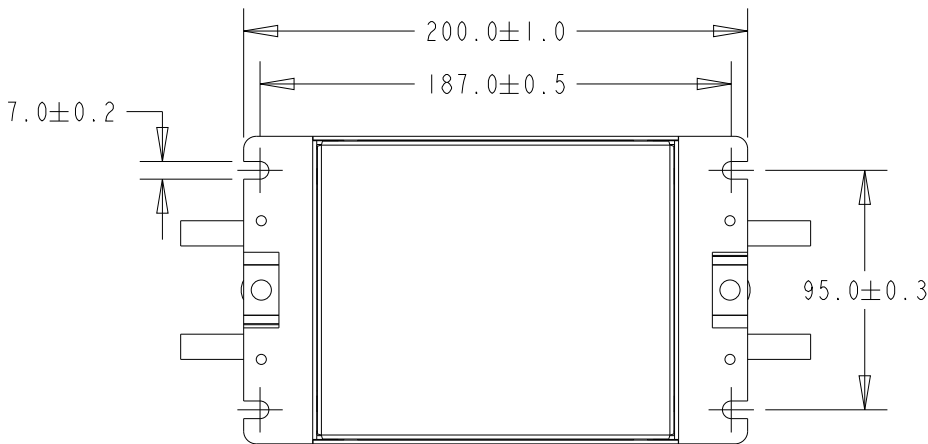
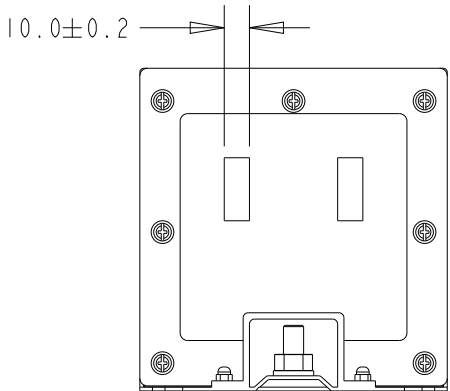
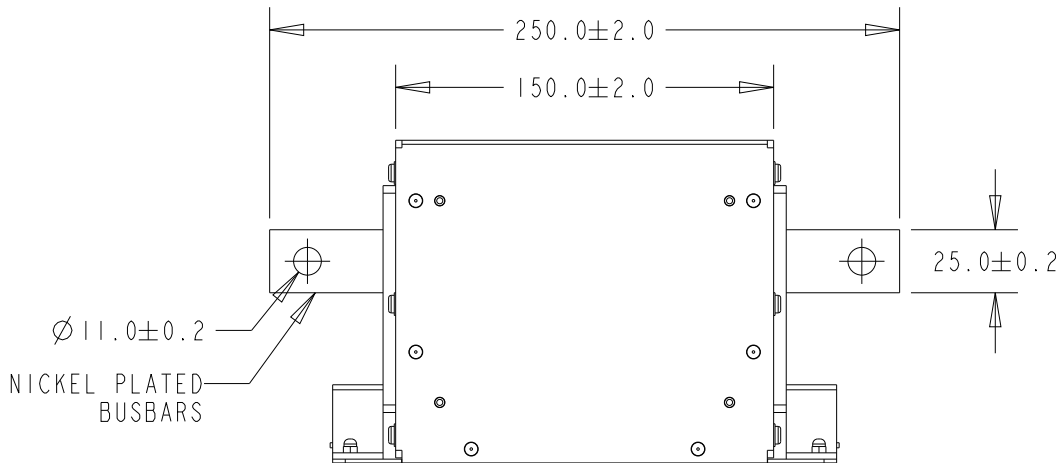
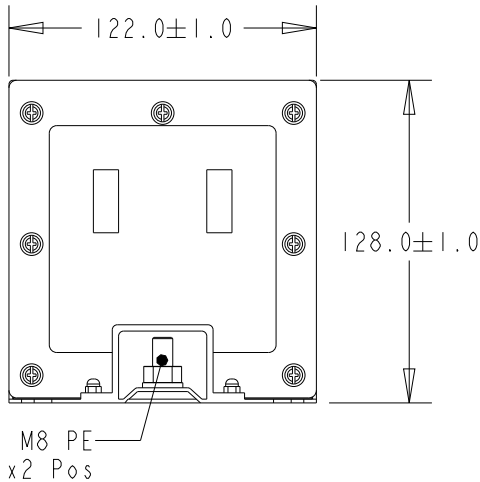
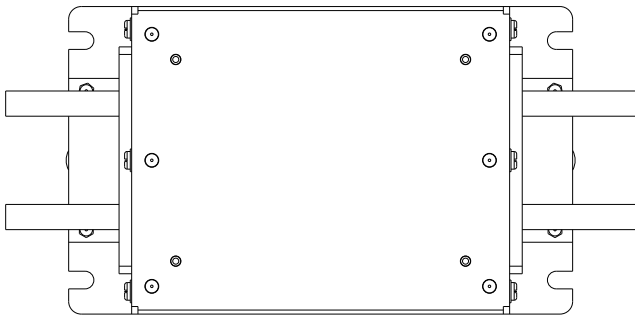
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REVISIONS


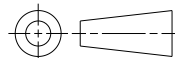
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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								
DIMENSIONS:  mm		CHK L.RAJ	25APR2023	NAME 450 EVX A A HIGH CURRENT DC EMI FILTER 500V 450A								
		APVD L.RAJ	25APR2023									
		PRODUCT SPEC -						SIZE A3		CAGE CODE 00779	DRAWING NO C-2443552-9	RESTRICTED TO -
		APPLICATION SPEC -										
		MATERIAL -		FINISH -		WEIGHT -						
-		-		CUSTOMER DRAWING					SCALE 1:6	SHEET 2 OF 2	REV A	