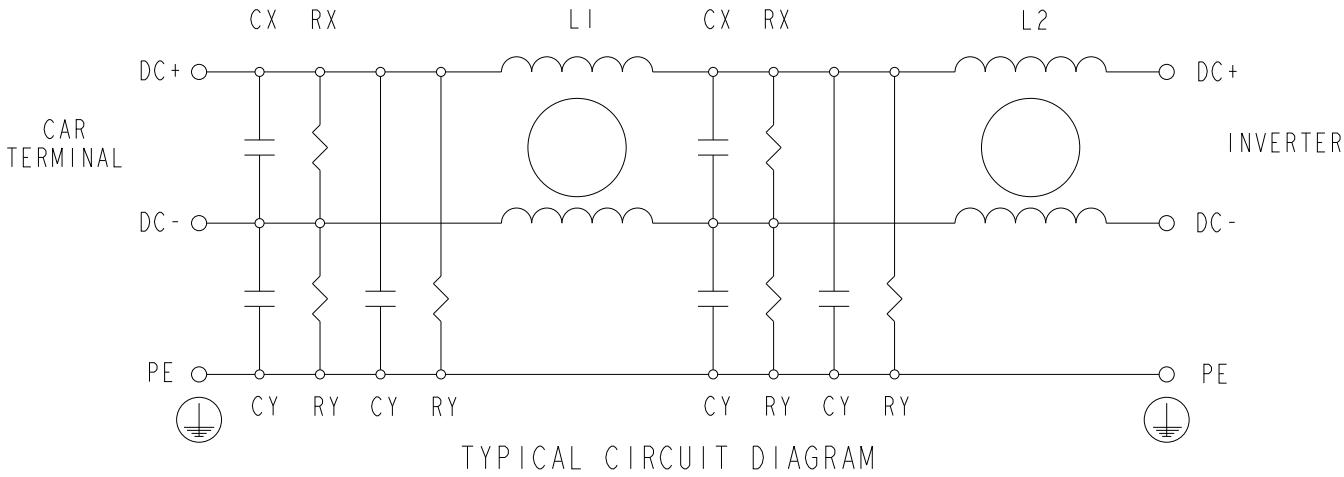


REVISIONS

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 600A / 1500VDC / 55°C

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 600A, 1500VDC

OVERLOAD CAPABILITY: 135% RATED CURRENT FOR 15 MINUTES

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

IN AN AMBIENT, T_a, HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT, I_o, 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: 1000nF +/-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

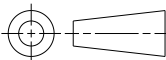
HIPOT RATING (ONE MINUTE)
LINE TO GROUND: 6000 VDC FOR 2 SECONDS
LINE TO LINE: 3600 VDC FOR 2 SECONDS

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

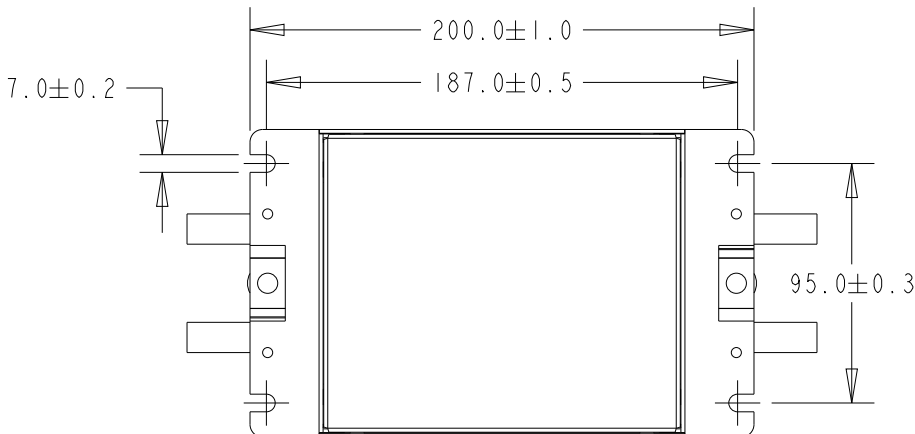
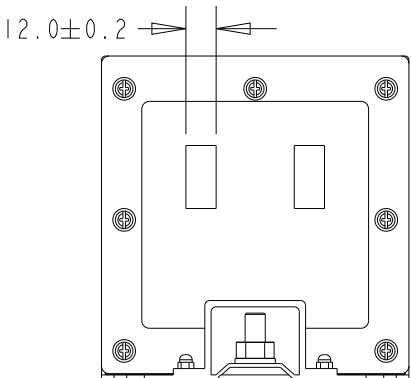
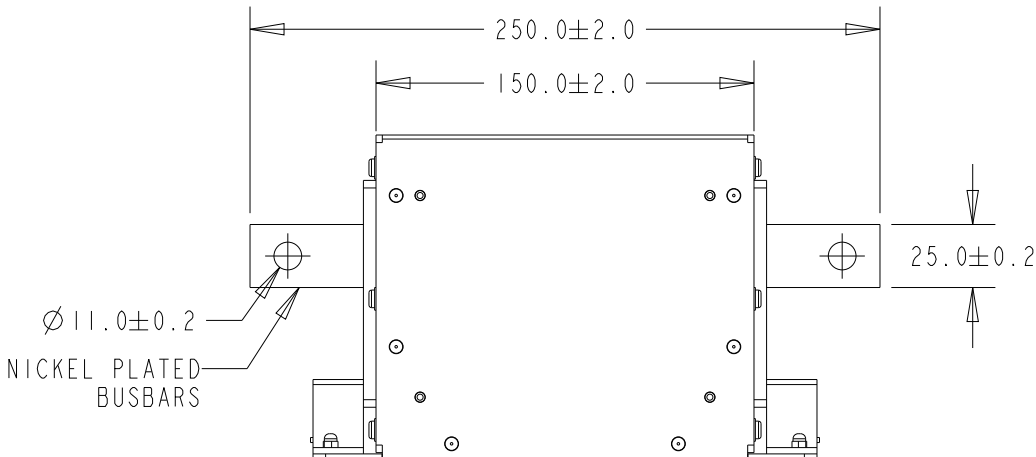
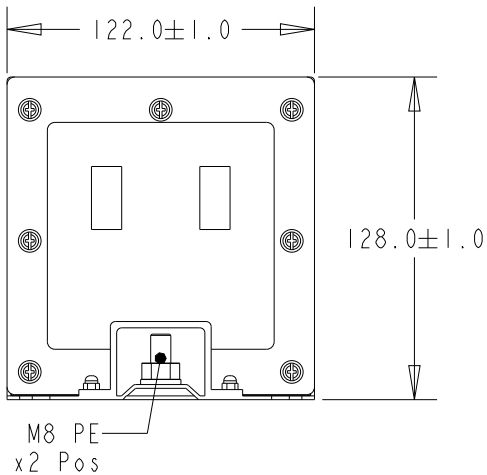
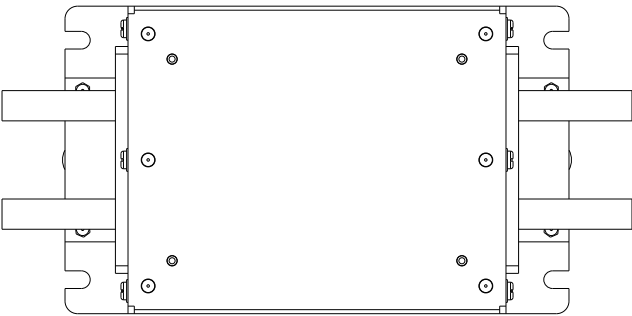
600 EVX C C									
FREQUENCY(MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	4	11	38	42	37	27	24	21	17
DIFFERENTIAL MODE	21	35	48	49	43	38	36	33	18

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
I-2443555-5	600 EVX C C	1000

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 600 EVX C C HIGH CURRENT DC EMI FILTER 1500V 600A				
	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-1-2443555-5	RESTRICTED TO -	
CUSTOMER DRAWING					SCALE 1:6	SHEET 1 OF 2	REV A

REVISIONS

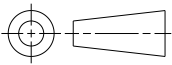
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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 600 EVX C C HIGH CURRENT DC EMI FILTER 1500V 600A					
	0 PLC ±-	PRODUCT SPEC	SIZE A3			CAGE CODE 00779	DRAWING NO C-1-2443555-5	RESTRICTED TO -
	1 PLC ±0.1	-						
	2 PLC ±0.01	-						
	3 PLC ±0.001	-						
4 PLC ±0.0001	APPLICATION SPEC							
MATERIAL - -		FINISH - -	WEIGHT -					
			CUSTOMER DRAWING					
			SCALE 1:6		SHEET 2 OF 2		REV A	