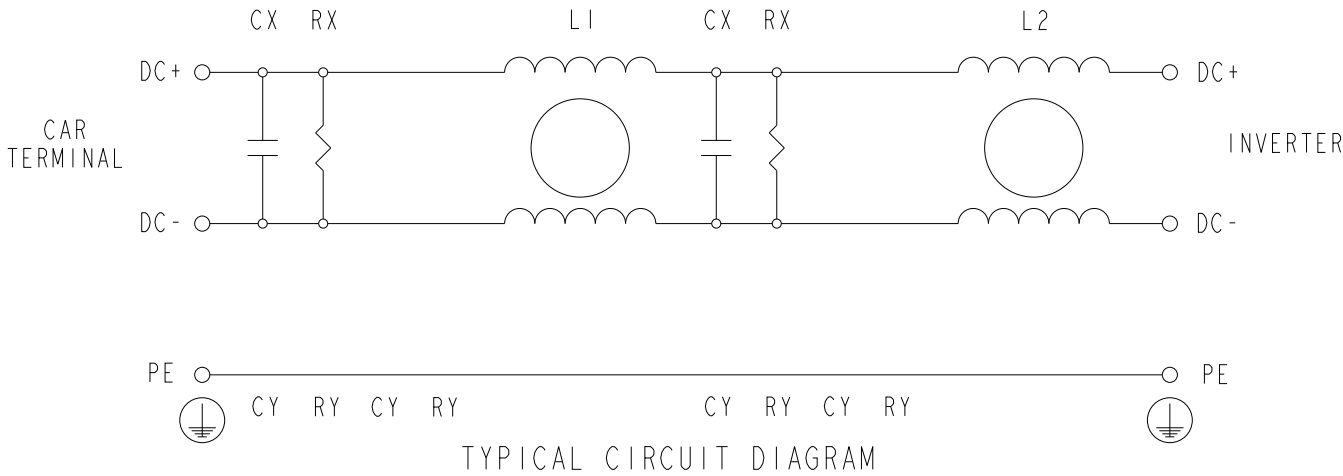


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE TO PRODUCTION	03MAY2023	DM	CB



SAFETY ORGANIZATIONS
THIS FILTER WILL BE FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIEMENTS 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 CAPABILTY: 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: 0nF +/-20%
LINE TO LINE, NOMINAL: 4.4µF +/-20%

DISCHARGE RESISTOR
LINE TO GROUND: 0MΩ 2W
LINE TO LINE : 15MΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6GΩ

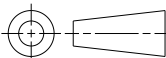
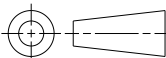
HIPOT RATING (ONE MINUTE)
LINE TO GROUND: 6000 VDC FOR 2 SECONDS
LINE TO LINE: 3600 VDC FOR 2 SECONDS

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

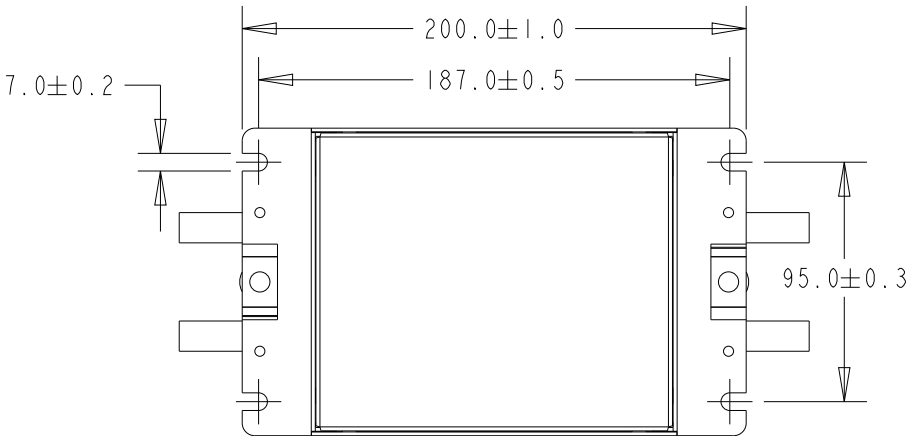
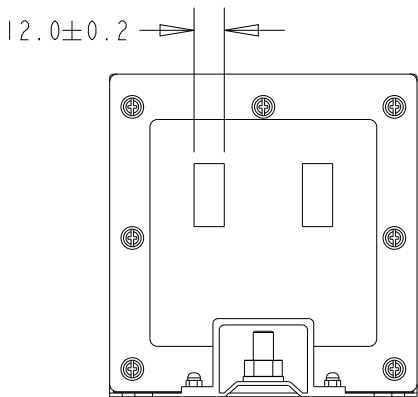
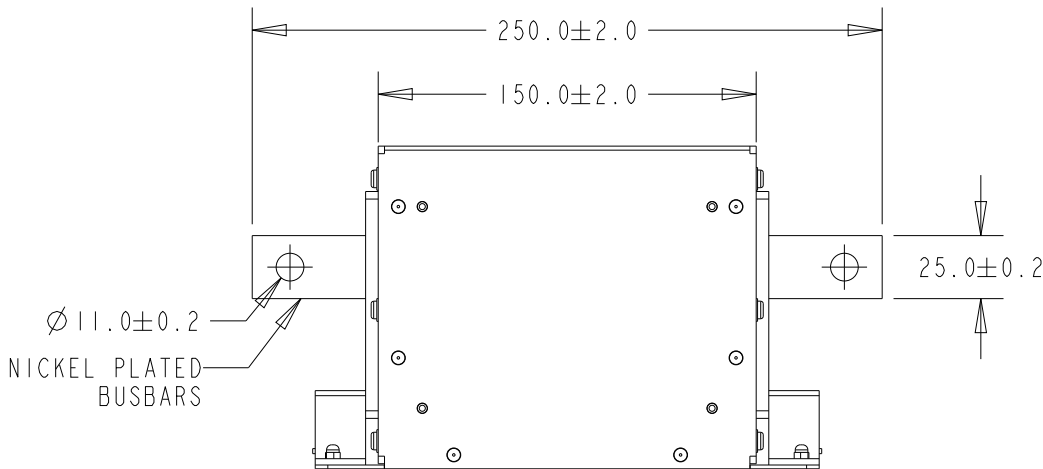
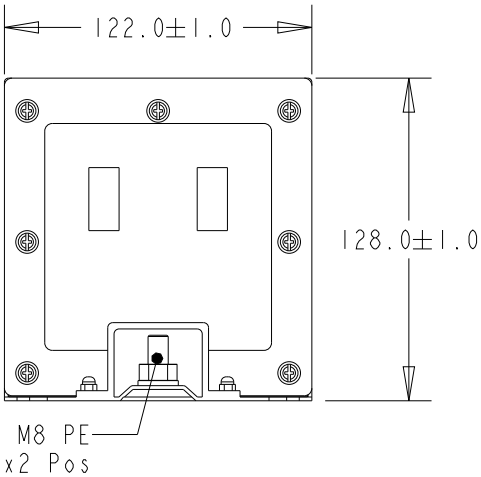
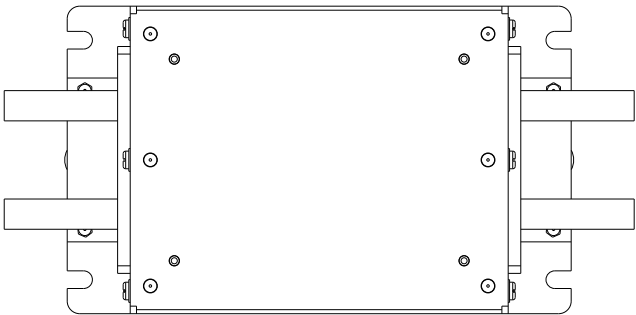
600 EVX C A									
FREQUENCY(MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	0	0	2	3	3	2	2	2	7
DIFFERENTIAL MODE	21	35	47	50	43	34	31	27	24

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
I-2443555-3	600 EVX C A	0

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

REVISIONS

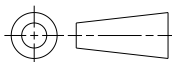
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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:		NAME 600 EVX C A HIGH CURRENT DC EMI FILTER 1500V 600A									
		APVD L.RAJ		25APR2023									
		PRODUCT SPEC -											
		APPLICATION SPEC -											
		WEIGHT -											
		CUSTOMER DRAWING											
MATERIAL -		FINISH -		SIZE A3		CAGE CODE 00779		DRAWING NO C-1-2443555-3		RESTRICTED TO -			
-		-						SCALE 1:6		SHEET 2 OF 2		REV A	