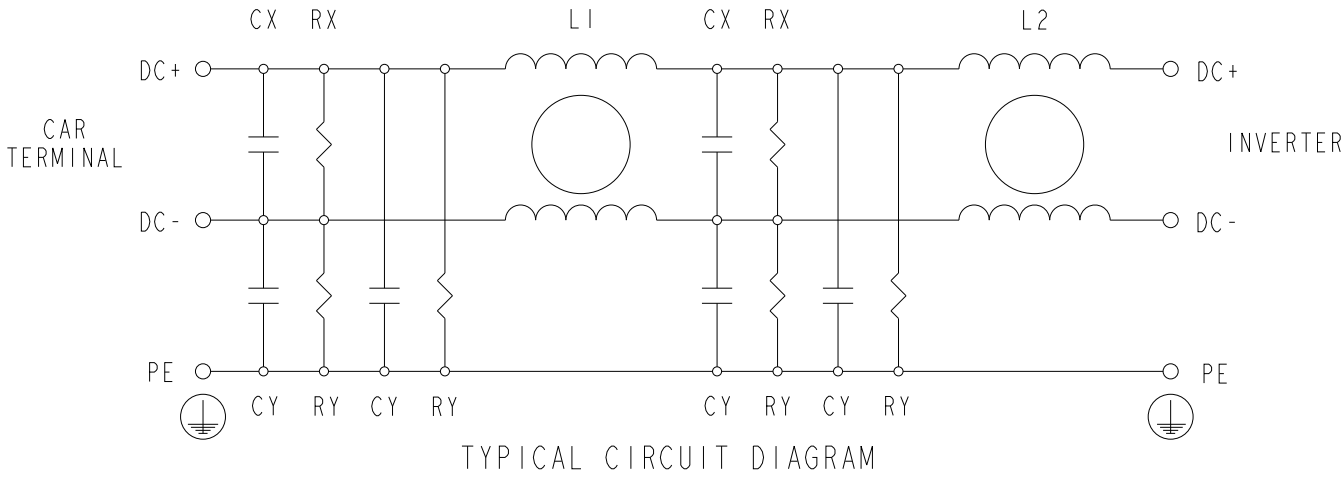


REVISIONS

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 1000A / 500VDC / 55°C

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 1000A, 500VDC

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: 0.039mH

CAPACITANCE @ 1kHz, 0.250VAC MAX, 25°C +/-1°C
LINE TO GROUND, NOMINAL: 1000nF +/-20%
LINE TO LINE, NOMINAL: 6.6µF +/-20%

DISCHARGE RESISTOR
LINE TO GROUND: 3.3MΩ 2W
LINE TO LINE : 5.0MΩ 2W
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6GΩ


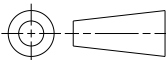
HIPOT RATING (ONE MINUTE)
LINE TO GROUND: 2500 VDC FOR 2 SECONDS
LINE TO LINE: 2000 VDC FOR 2 SECONDS

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

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

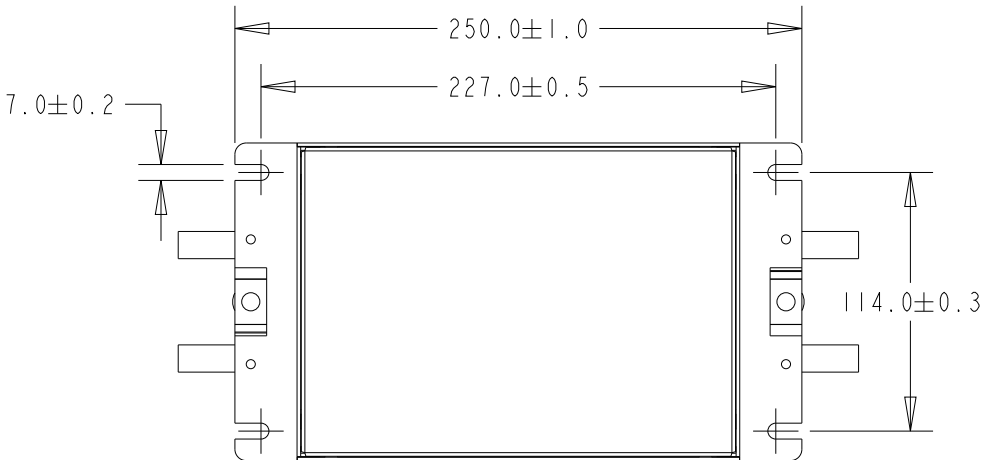
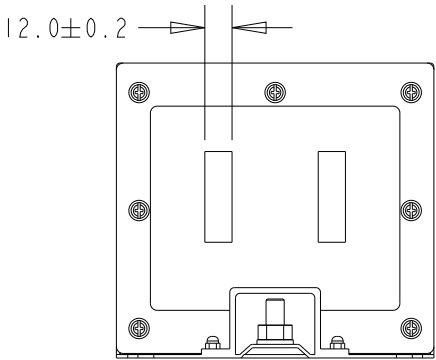
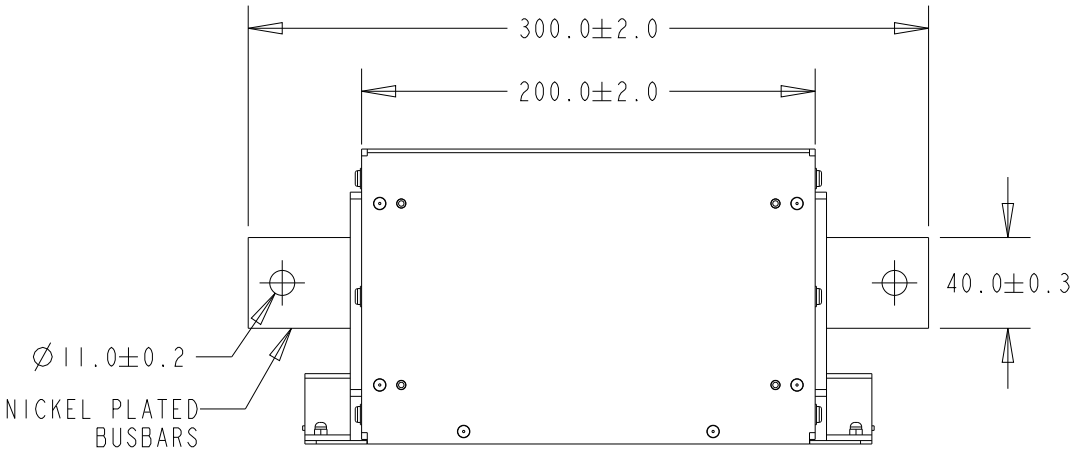
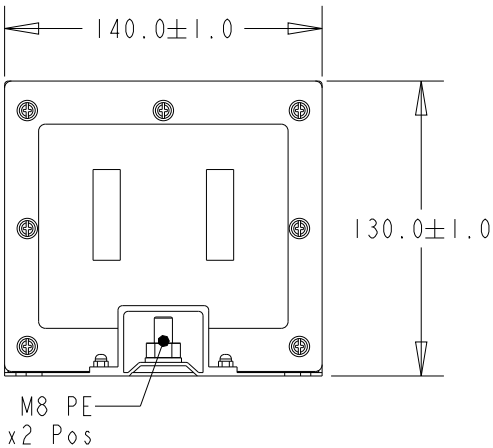
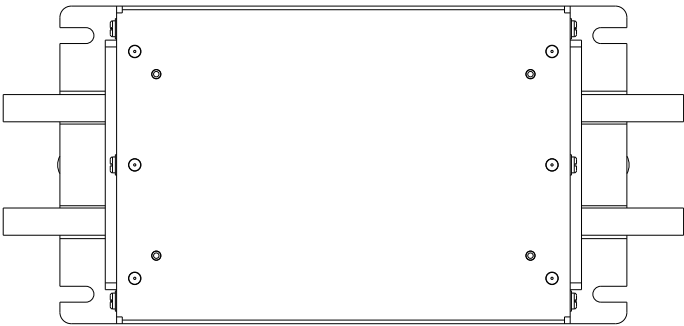
1000 EVX A C									
FREQUENCY(MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	5	14	37	44	38	29	25	21	15
DIFFERENTIAL MODE	25	39	46	44	31	33	30	28	29

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
1-2443552-9	1000 EVX A C	1000

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.BOLLE 10JAN2023		 TE Connectivity									
		CHK L.RAJ 25APR2023											
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±° 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ±°		APVD L.RAJ 25APR2023		NAME 1000 EVX A C HIGH CURRENT DC EMI FILTER 500V 1000A							
													
MATERIAL - -		PRODUCT SPEC -		APPLICATION SPEC -									
		WEIGHT -		SIZE A3				CAGE CODE 00779		DRAWING NO C-1-2443552-9		RESTRICTED TO -	
CUSTOMER DRAWING						SCALE 1:6		SHEET 1		OF 2		REV A	

REVISIONS


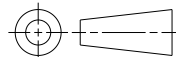
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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 1000 EVX A C HIGH CURRENT DC EMI FILTER 500V 1000A				
	0 PLC ± 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ±	PRODUCT SPEC -				RESTRICTED TO -		
		APPLICATION SPEC -	SIZE A3	CAGE CODE 00779	DRAWING NO C-1-2443552-9			
MATERIAL - -	FINISH - -	WEIGHT -	CUSTOMER DRAWING			SCALE 1:6	SHEET 2 OF 2	REV A