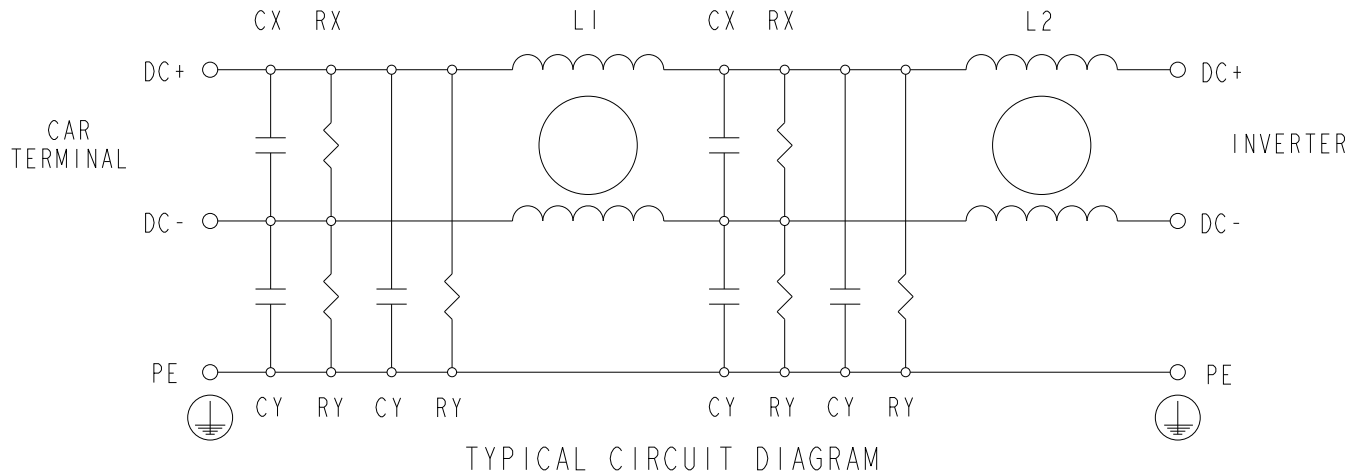


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE TO PRODUCTION	03MAY2023	DM	CB



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

1000 EVX C D									
FREQUENCY (MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	10	15	46	56	53	48	43	34	26
DIFFERENTIAL MODE	23	37	51	45	42	35	35	33	33

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 / 1500VDC / 55°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 1000A, 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: 0.039mH

CAPACITANCE @ 1kHz, 0.250VAC MAX, 25°C +/- 1°C
LINE TO GROUND, NOMINAL: 2000nF +/- 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


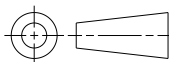
HIPOT RATING (ONE MINUTE)

LINE TO GROUND: 6000 VDC FOR 2 SECONDS
LINE TO LINE: 3600 VDC FOR 2 SECONDS

FILTER APPROVAL

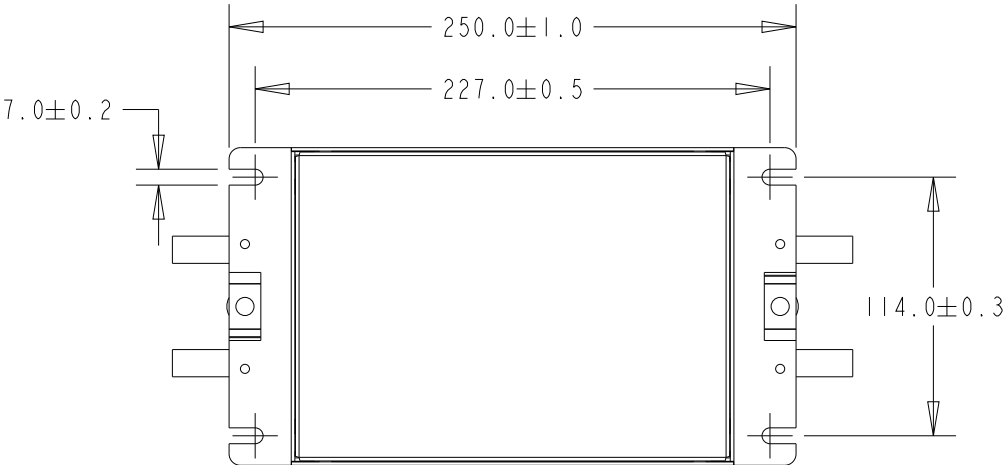
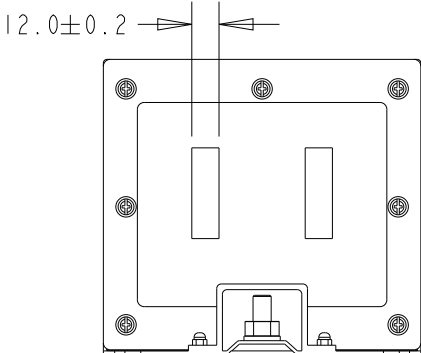
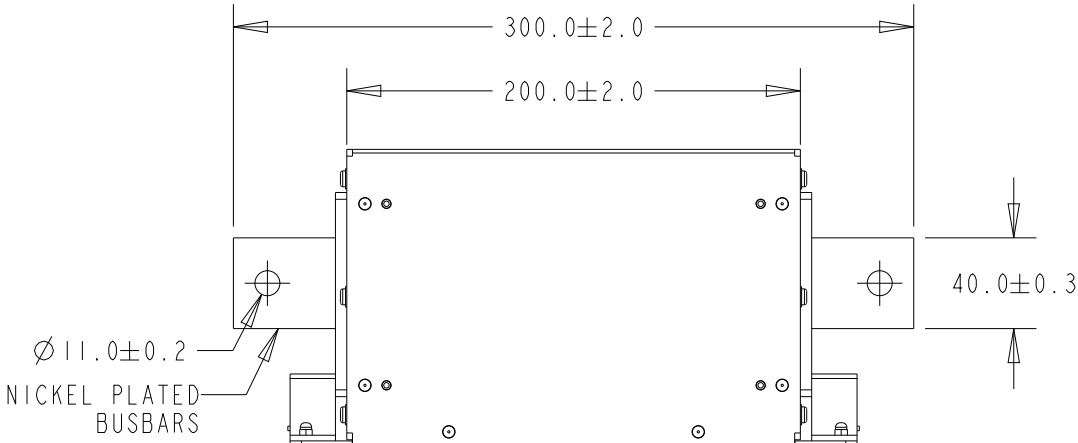
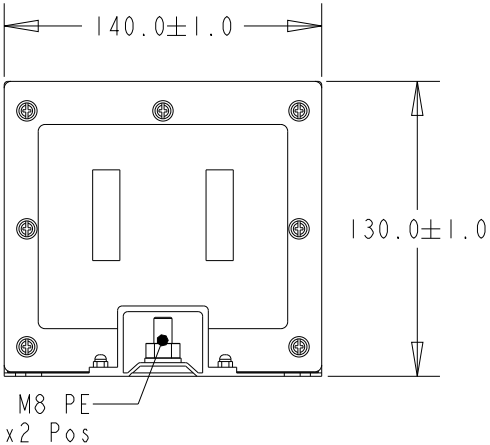
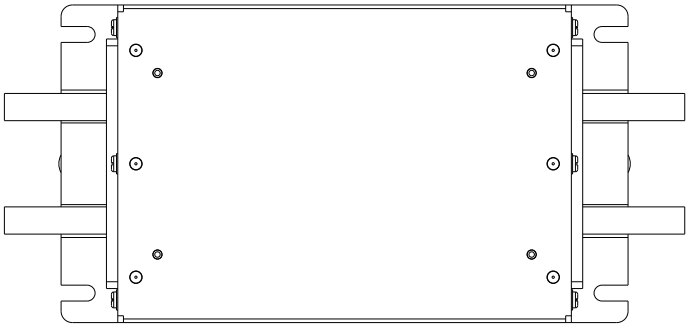
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
2-2443555-0	1000 EVX C D	2000

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.BOLLE	10JAN2023	 TE Connectivity								
DIMENSIONS: mm		CHK L.RAJ	25APR2023	NAME 1000 EVX C D HIGH CURRENT DC EMI FILTER 1500V 1000A								
		APVD L.RAJ	25APR2023									
		PRODUCT SPEC -						SIZE A3		CAGE CODE 00779	DRAWING NO C-2-2443555-0	RESTRICTED TO -
		APPLICATION SPEC -										
		MATERIAL - -		WEIGHT -		CUSTOMER DRAWING				SCALE 1:6	SHEET 1	OF 2
		TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ±- 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ±- FINISH - -										

REVISIONS


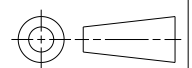
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK L.RAJ 25APR2023		NAME 1000 EVX C D HIGH CURRENT DC EMI FILTER 1500V 1000A			
		0 PLC ±- 1 PLC ±0.1 2 PLC ±0.01 3 PLC ±0.001 4 PLC ±0.0001 ANGLES ±-		APVD L.RAJ 25APR2023					
				PRODUCT SPEC -					
				APPLICATION SPEC -					
MATERIAL - -		FINISH - -		WEIGHT -		SIZE A3	CAGE CODE 00779	DRAWING NO C-2-2443555-0	RESTRICTED TO -
CUSTOMER DRAWING						SCALE 1:6	SHEET 2 OF 2	REV A	