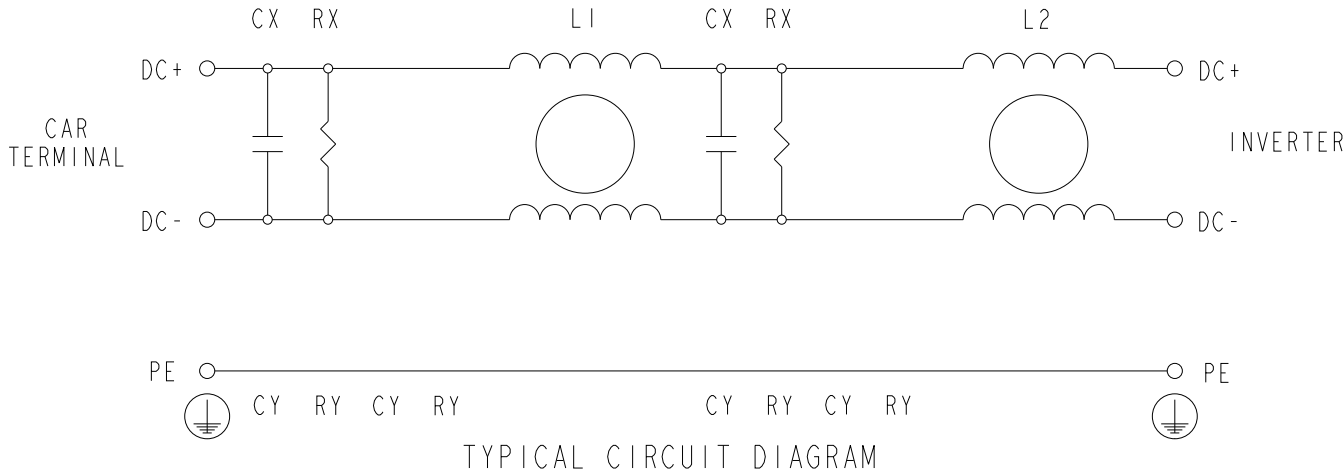


P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	RELEASE TO PRODUCTION	04MAY2023	DM	CB



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 1600A / 500VDC / 55°C

OPERATING SPECIFICATION
LINE CURRENT/VOLTAGE: 1600A, 500VDC

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: 0.0188mH

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


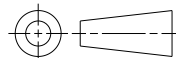
HIPOT RATING (ONE MINUTE)
LINE TO GROUND: 2500 VDC FOR 2 SECONDS
LINE TO LINE: 2000 VDC FOR 2 SECONDS

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

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

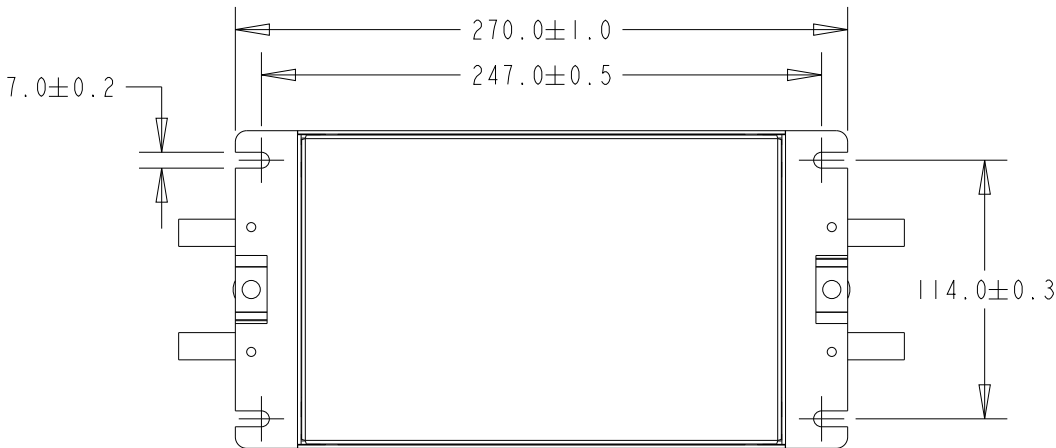
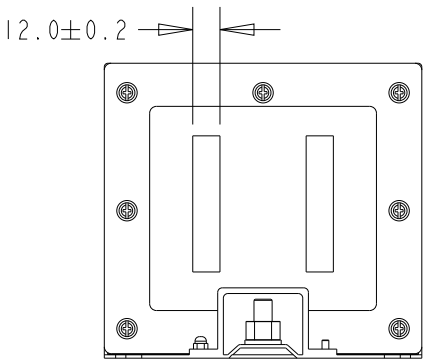
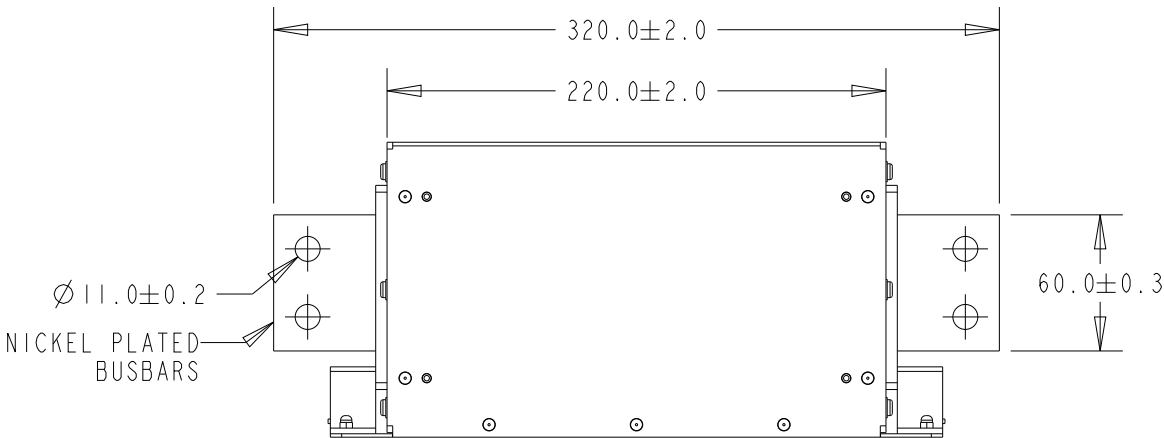
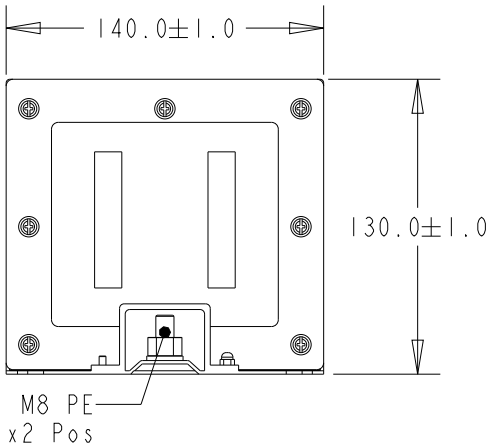
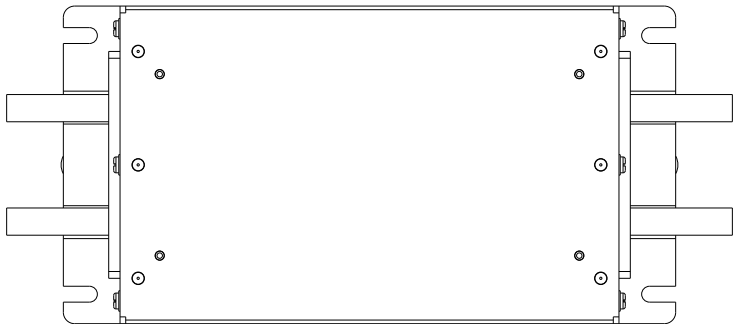
1600 EVX A A									
FREQUENCY (MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	0	0	0	7	4	3	3	2	15
DIFFERENTIAL MODE	25	39	38	45	39	32	29	23	18

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
2-2443552-1	1600 EVX A A	0

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.BOLLE	10JAN2023	 TE Connectivity				
DIMENSIONS: mm		CHK L.RAJ	25APR2023	NAME 1600 EVX A A HIGH CURRENT DC EMI FILTER 500V 1600A				
		APVD L.RAJ	25APR2023					
		TOLERANCES UNLESS OTHERWISE SPECIFIED:		PRODUCT SPEC		RESTRICTED TO		
		0 PLC ±-		-				
		1 PLC ±0.1		APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO
		2 PLC ±0.01		-		A3	00779	C-2-2443552-1
3 PLC ±0.001		-		REV				
4 PLC ±0.0001		WEIGHT		SCALE		SHEET	OF	
ANGLES ±-		-		1:6		1	2	
MATERIAL		FINISH		CUSTOMER DRAWING		REV		
-		-				A		
-		-						

REVISIONS


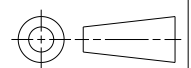
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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											
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		CHK L.RAJ 25APR2023		NAME 1600 EVX A A HIGH CURRENT DC EMI FILTER 500V 1600A									
		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 -											
MATERIAL - -		FINISH - -		APPLICATION SPEC -		SIZE A3		CAGE CODE 00779		DRAWING NO C-2-2443552-1		RESTRICTED TO -			
				WEIGHT -											
CUSTOMER DRAWING										SCALE 1:6		SHEET 2 OF 2		REV A	