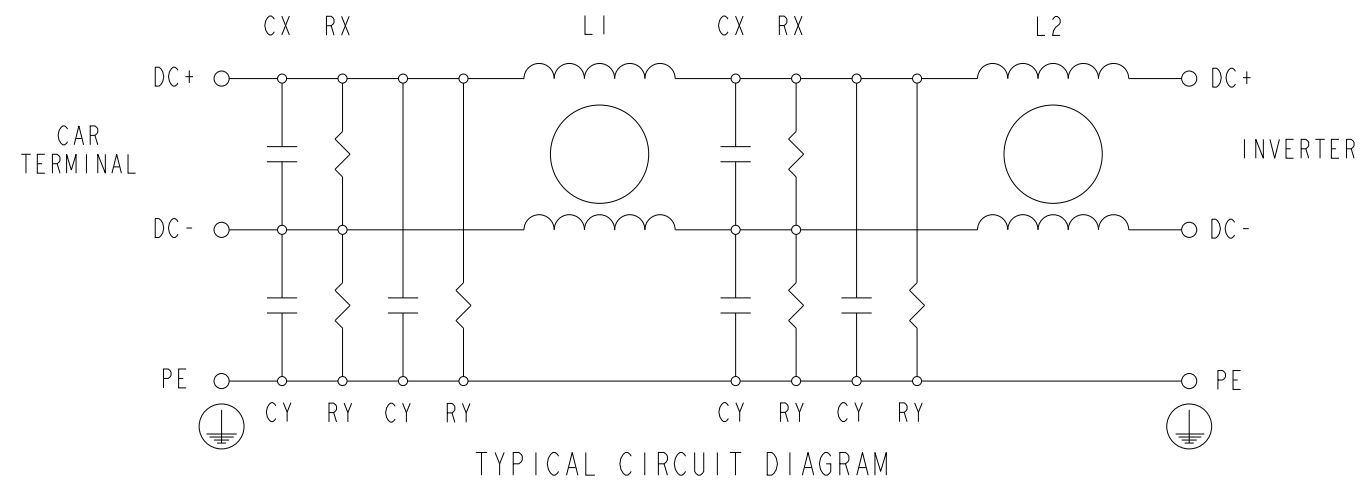


REVISIONS

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



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

1600 EVX C D									
FREQUENCY (MHz)	0.01	0.05	0.15	0.5	1	3	5	10	30
COMMON MODE	10	20	35	40	41	33	28	24	17
DIFFERENTIAL MODE	18	35	50	44	38	34	33	28	30

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 / 1500VDC / 55°C

OPERATING SPECIFICATION

LINE CURRENT/VOLTAGE: 1600A, 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 $+100^{\circ}\text{C}$

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: 2000nF +/- 20%

LINE TO LINE, NOMINAL: 4.4 μ F +/-20%

DISCHARGE RESISTOR

LINE TO GROUND: 7.14M Ω 2W

LINE TO GROUND: $7.14\text{M}\Omega$ 2W
LINE TO LINE : $15\text{M}\Omega$ 2W

IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6GΩ

HIPO T RATING (ONE MINUTE)

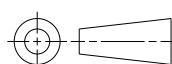
LINE TO GROUND: 6000 VDC FOR 2 SECONDS

LINE TO LINE: 3600 VDC FOR 2 SECONDS

FILTER APPROVAL

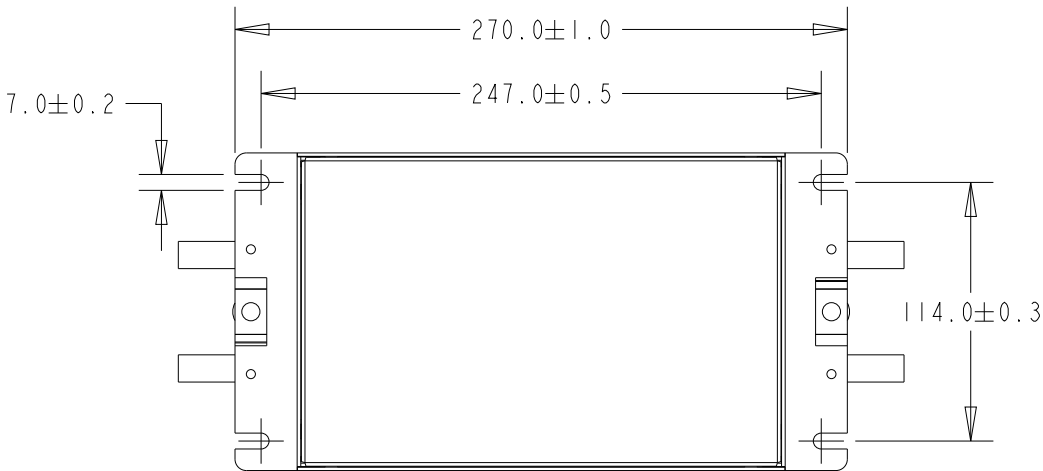
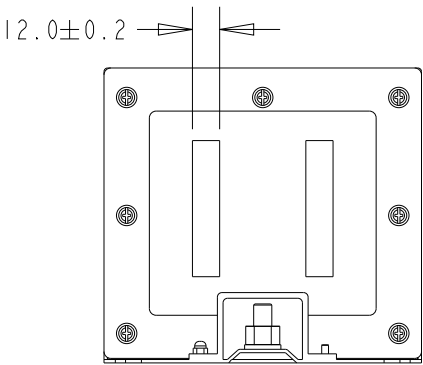
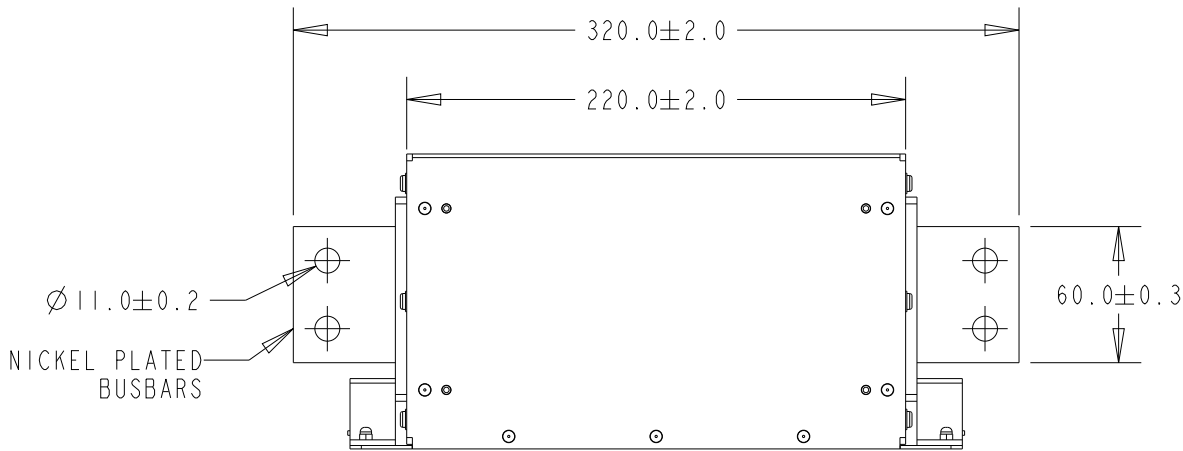
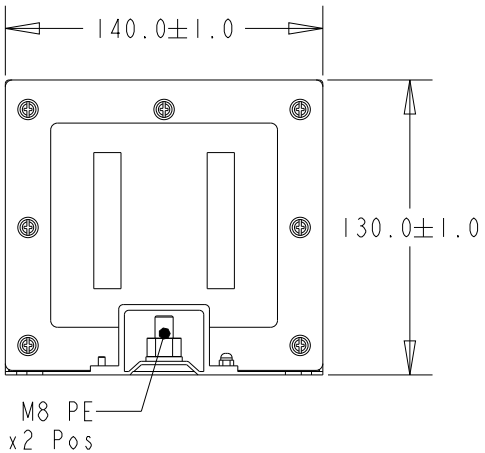
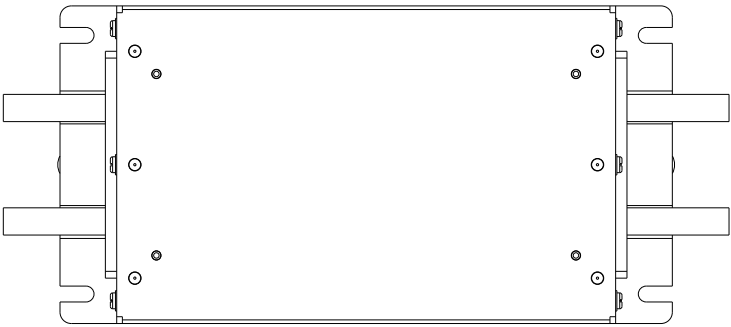
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

TE PN	CATALOG NO.	Y CAPACITANCE (nF)
2-2443555-4	1600 EVX C D	2000

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN C.BOLLE10JAN2023		 TE Connectivity									
		CHK L.RAJ25APR2023											
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 ±-		NAME									
				APVD L.RAJ25APR2023									
				PRODUCT SPEC -									
		APPLICATION SPEC -		1600 EVX C D HIGH CURRENT DC EMI FILTER 1500V 1600A									
MATERIAL - -		FINISH - -		SIZE		CAGE CODE	DRAWING NO		RESTRICTED TO				
				A3		00779	C-2-2443555-4		-				
CUSTOMER DRAWING								SCALE	1:6	SHEET	1 OF 2	REV	A

REVISIONS

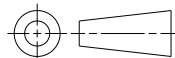
P	LTR	DESCRIPTION	DATE	DWN	APVD
		SEE SHEET 1			



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 1600 EVX C D HIGH CURRENT DC EMI FILTER 1500V 1600A			
	0 PLC ±-	PRODUCT SPEC	-				
	1 PLC ±0.1	APPLICATION SPEC	-	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
	2 PLC ±0.01		-	A3	00779	C-2-2443555-4	-
	3 PLC ±0.001		-				
MATERIAL - -	FINISH - -	WEIGHT	-				
CUSTOMER DRAWING				SCALE 1:6	SHEET 2 OF 2	REV A	