

LOC	DIST	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
-	-		A	REVISED PER ECR-14-007823	02JUNE2014	RS	EC
			B	ECO-15-015144: ADD UL.	06NOV2015	EC	EC

**SAFETY ORGANIZATIONS**

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET:

UL

**RELIABILITY SPECIFICATIONS**

STORAGE TEMPERATURE: -40°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH.

**TEST SPECIFICATIONS**

INDUCTANCE, NOMINAL: 44.5 µH

CAPACITANCE AT 1KHz, 0.25 VAC MAX., 25°C±1°C  
 LINE TO GROUND, NOMINAL: 3.1 µF  
 LINE TO LINE, NOMINAL: 7.0 µF

DISCHARGE RESISTOR L/G AND L/L I.R. 1000 kOhm / 1000 kOhm  
 IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6000 MΩ

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 600 A, 520 VAC  
 LINE FREQUENCY: 50-60 Hz  
 NOMINAL LEAKAGE CURRENT: 15 mA  
 MAXIMUM LEAKAGE CURRENT: 270mA @ 277V, 50HZ

OPERATING AMBIENT TEMPERATURE RANGE @ RATED CURRENT, I : -10°C TO +50°C

IN AN AMBIENT, T, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I, IS AS FOLLOWS:

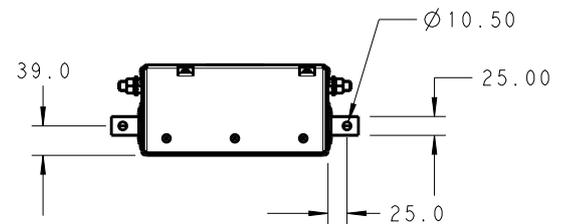
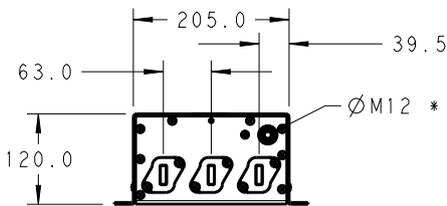
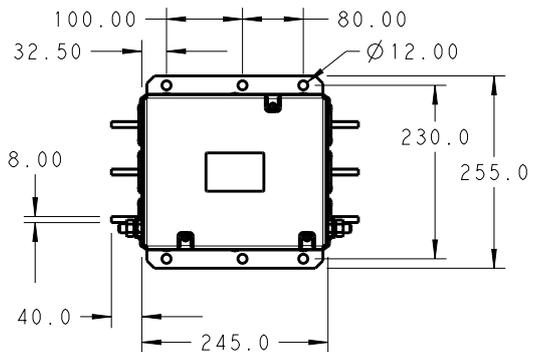
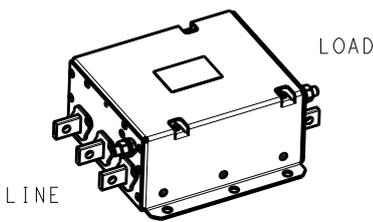
$$I_o = I_R \sqrt{\frac{100 - T_o}{50}}$$

**RECOMMENDED RECEIVING INSPECTION HIPOT**

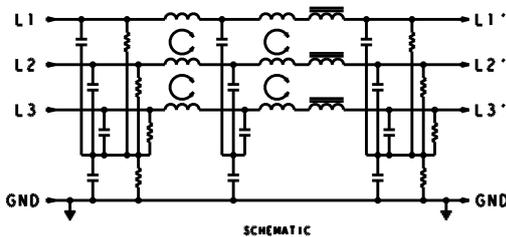
LINE TO GROUND FOR 1 MINUTE: 2200 VDC  
 LINE TO LINE FOR 1 MINUTE: 2160 VDC

**FILTER APPROVAL:**

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



\* DO NOT LOOSEN INNER GROUND NUTS. TORQUE OUTER GROUND NUTS TO: 25-30 NM [220-260 IN-LB]



TYPICAL INSERTION LOSS  
 COMMON MODE 50/50Ω; DIFFERENTIAL MODE 100/100Ω

MHz	0.01	0.05	0.15	0.5	1.0	3.0	5.0	10	30
CM	13	33	65	90	82	95	58	37	19
DM	27	41	50	67	57	43	39	31	21

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DIMENSIONS:

mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:

- 0 PLC ±2
- 1 PLC ±1.0
- 2 PLC ±0.50
- 3 PLC ±0.200
- 4 PLC ±0.1000
- ANGLES ±



DWN RS 18DEC2013

CHK EC 18DEC2013

APVD EC 18DEC2013

PRODUCT SPEC -

APPLICATION SPEC -

WEIGHT -

Customer Drawing

MATERIAL -

FINISH -



TE Connectivity

NAME

600APS12L  
 3-PHASE DELTA FILTER

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A 4

00779

C= 4-1609114-6

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SCALE 1:1

SHEET 1 OF 1

REV B