

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	REVISED PER ECR-14-007794	29MAY2014	RS	EC
	B	ECO-15-015144: ADD UL.	02DEC2015	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

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 1000 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:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{50}}$$

RELIABILITY SPECIFICATIONS

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

TEST SPECIFICATIONS

INDUCTANCE, NOMINAL: 36.4 μ H

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

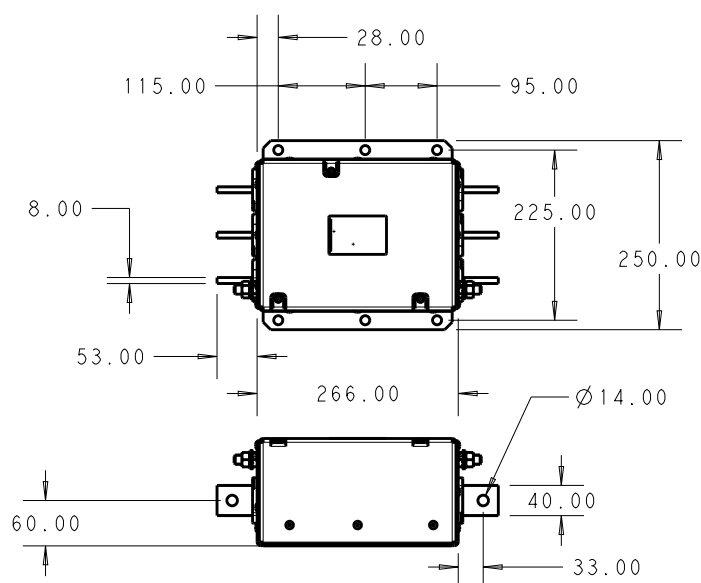
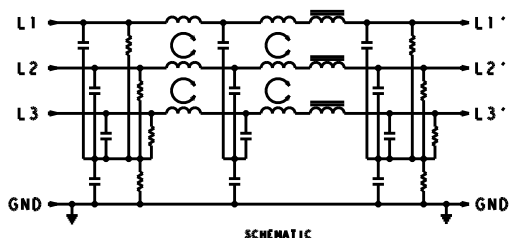
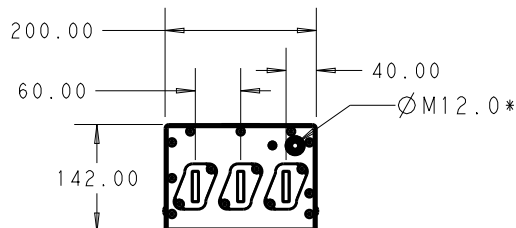
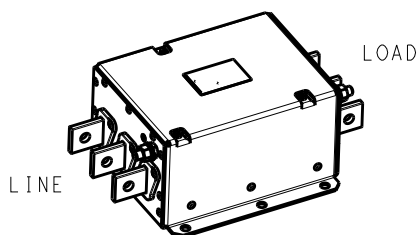
DISCHARGE RESISTOR
L/G AND L/L I.R. 1000 kOhm / 1000 kOhm
IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6000 M Ω

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 50/50 Ω ; DIFFERENTIAL MODE 100/100 Ω

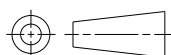
MHz	0.01	0.05	0.15	0.5	1.0	3.0	5.0	10	30
CM	13	30	60	90	82	80	60	40	19
DM	27	41	55	52	44	33	30	24	16

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 $\pm$



DWN

RS

19DEC2013

CHK

EC

19DEC2013

APVD

EC

19DEC2013

PRODUCT SPEC

APPLICATION SPEC

WEIGHT

Customer Drawing

MATERIAL

-

FINISH

-



TE Connectivity

NAME

1000APS12L
3-PHASE DELTA FILTER

SIZE

A4

CAGE CODE

-

DRAWING NO

C-4-1609114-7

RESTRICTED TO

-

SCALE

1:6

SHEET

1 OF 1

REV

B

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