

LOC	DIST	REVISIONS					
-	-	P	LTR	DESCRIPTION	DATE	DWN	APVD
			A	REVISED PER ECR-14-007824	02JUNE2014	RS	EC
			B	ECO-15-015144: ADD UL.	09NOV2015	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: 400 A, 690VAC  
 LINE FREQUENCY: 50-60 Hz  
 NOMINAL LEAKAGE CURRENT: 20 mA  
 MAXIMUM LEAKAGE CURRENT: 390mA @ 400V, 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:

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

**RELIABILITY SPECIFICATIONS**

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

**TEST SPECIFICATIONS**

INDUCTANCE, NOMINAL: 50.9 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

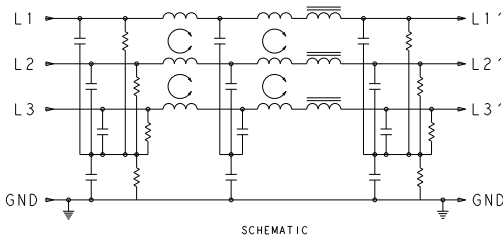
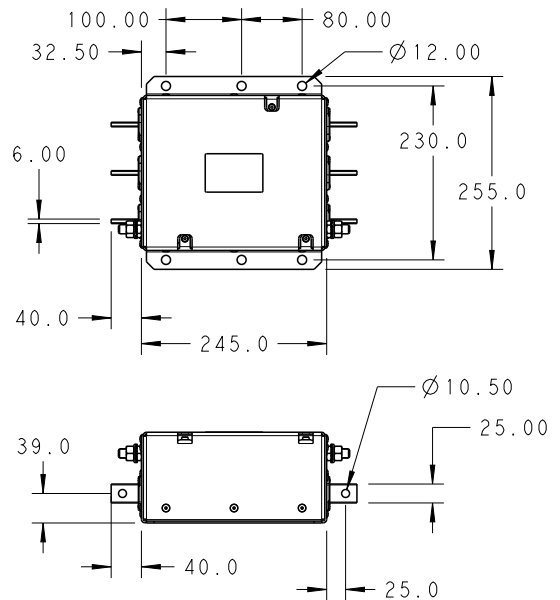
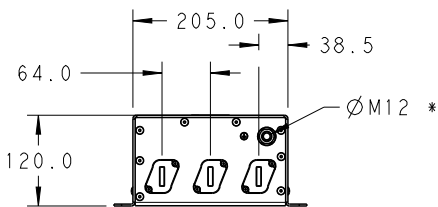
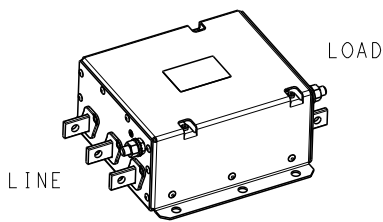
DISCHARGE RESISTOR L/G AND L/L I.R. 1000 kOhm / 1000 kOhm  
 IR (NO DISCHARGE RESISTOR) 20°C, 50% RH AND 100VDC, MIN: 6000 MΩ

**RECOMMENDED RECEIVING INSPECTION HIPOT**

LINE TO GROUND FOR 1 MINUTE: 2640 VDC  
 LINE TO LINE FOR 1 MINUTE: 2520 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	62	88	78	68	52	36	20
DM	27	40	53	68	58	45	40	32	21

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DIMENSIONS: mm	DWN EC 09NOV2015	MATERIAL	FINISH
TOLERANCES UNLESS OTHERWISE SPECIFIED:	CHK EC 17DEC2013	TE Connectivity	
0 PLC ±2	APVD EC 17DEC2013		
1 PLC ±1.0	PRODUCT SPEC	NAME	
2 PLC ±0.50		400APS12P	
3 PLC ±0.200	APPLICATION SPEC	3-PHASE DELTA FILTER	
4 PLC ±0.0001		SIZE	RESTRICTED TO
ANGLES ±	WEIGHT	A4 00779	C=5-1609114-0
Customer Drawing		SCALE 1:1	SHEET 1 OF 1 REV B