

## 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 RECOGNIZED: UL 1283  
VDE APPROVED: EN 60939-2

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 10 AMP, 120/250 VAC,  
10 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 2μ A @ 120V 60Hz  
5μ A @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT,  $I_r$ .

IN AN AMBIENT,  $T_a$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

## RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C  
HUMIDITY: 21 DAYS @ 40°C 95% RH.  
CURRENT OVERLOAD TEST: 6 TIMES  $I_r$  FOR  
8 SECONDS

## TEST SPECIFICATIONS:

INDUCTANCE: 4.0 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: N/A μF±20%  
LINE TO LINE: 2.0 μF±20%  
DISCHARGE RESISTOR: 165 KΩ  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,  
20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR 1 MINUTE  
LINE TO LINE: 1450 VDC FOR 1 MINUTE

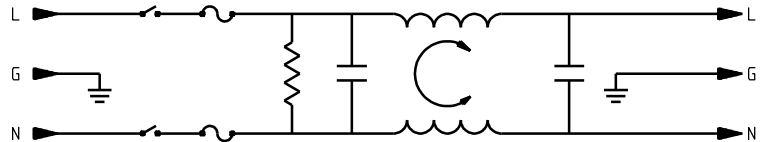
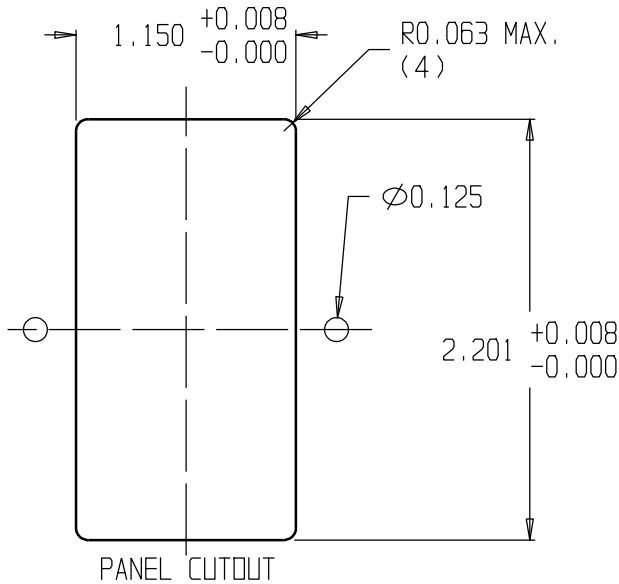
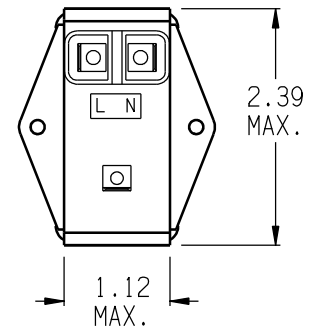
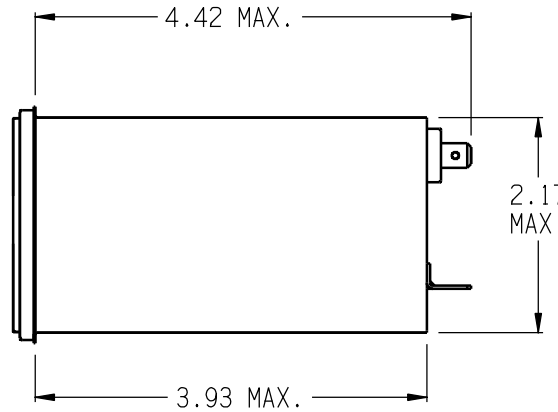
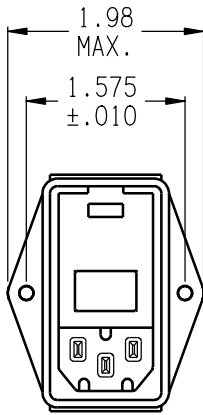
## FILTER APPROVAL:

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

## CUSTOMER DRAWING

CATALOG # PE000DLXC

ECN #	APPRVD.	DATE
22-185505	JB	30NOV22



50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.05	.10	.15	.50	1.0	5.0	10.0	30.0	/	/	/
COMMON dB	5	17	22	23	24	25	21	18	14	/	/	/
DIFF. dB	10	20	20	35	67	75	75	70	60	/	/	/

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PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED  
TOLERANCE TO BE ±0.025  
MATERIAL & FINISH: AS SUPPLIED

NOTES:



**Tyco Electronics**

CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. 6609109-6

SCALE: NTS	DATE: 28APR00	DRAWING NUMBER: PE000DLXC	REV. D
DRW. BY: MAC	DRIG: MAC		

PE000DLXC-D.cxd