

**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 LISTED: UL 935

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 3.9 AMP, 125/280 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND: 3.0 mA @125V 60Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>.

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 0.18 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.047 μF±20%  
 LINE TO LINE: 0.024 μF±20%

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: 1560 VAC FOR 1 MINUTE  
 LINE TO LINE: 1560 VAC FOR 1 MINUTE

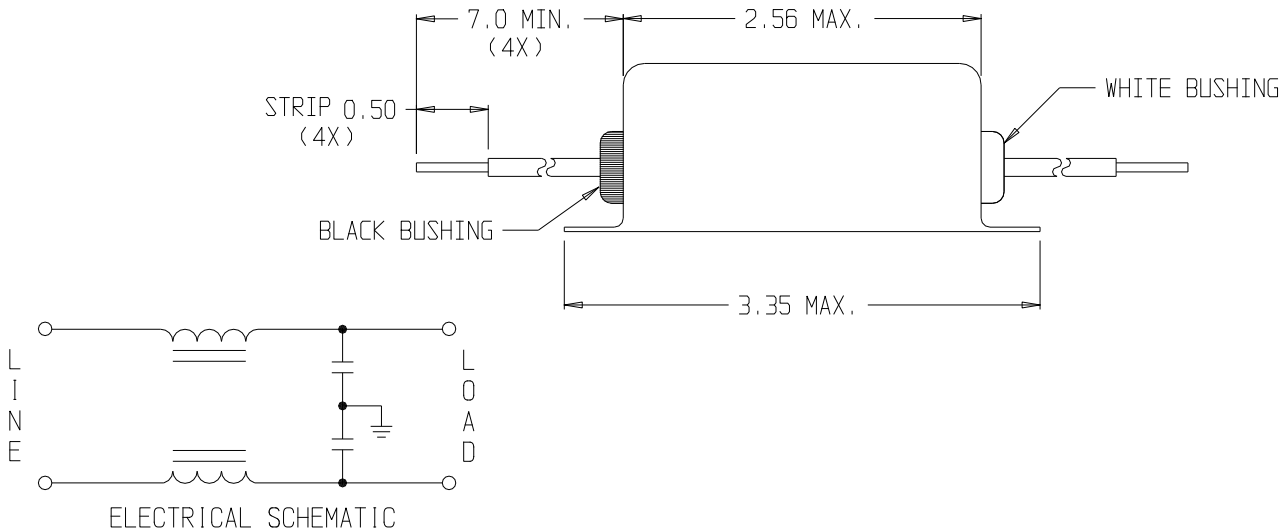
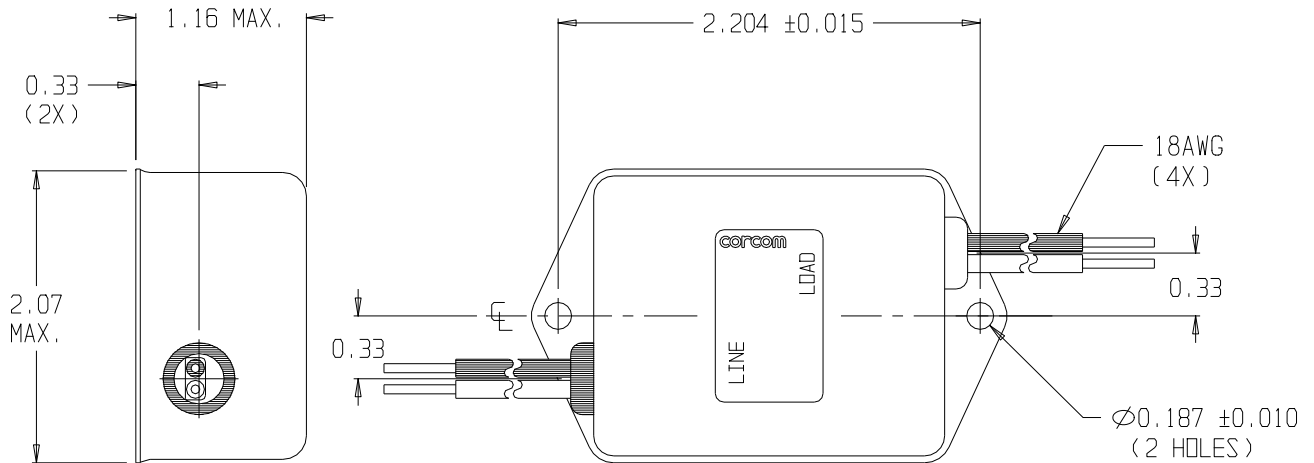
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

CATALOG # 3EFL3

ECN #	APPRVD.	DATE
	PJO	24APR08



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.3	.6	1	4	10	20	/	/	/	/	/
COMMON dB	/	/	/	/	/	/	/	/	/	/	/	/
DIFF. dB	10	18	34	46	56	38	26	/	/	/	/	/

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

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

NOTES:

**Tyco Electronics**  
 CORCOM PRODUCTS, 620 S. BUTTERFIELD RD., MUNDELEIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. 2-6609092-3

SHEET SIZE THIRD ANGLE PROJECTION

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION, HARRISBURG, PENNSYLVANIA USA.

CVM AVAILABLE	YES	NO

G:\KeyCreator Directories\CD 3FL300.cxd

SCALE: 3/4  
 DRW. BY: SD

DATE: 24APR08  
 ORIG: PJO

DRAWING NUMBER: 3FL3  
 REV. 0