

## 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  
CSA CERTIFIED: CSA 22.2, # 8  
VDE APPROVED: EN 60939-2

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 3 AMP, 120/250 VAC,  
3 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.22 mA @ 120V 60Hz  
0.38 mA @ 250V 50Hz

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

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

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

## 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: 1.45 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0059  $\mu$ F ±20%  
LINE TO LINE: 0.1015  $\mu$ F ±20%  
DISCHARGE RESISTOR: 1.5M  $\Omega$   
L/G AND L/L I.R.:  
NO DISCHARGE RESISTOR: 6000M $\Omega$  (MIN.) @ 100VDC, 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC OR 2250 VDC FOR 1 MINUTE  
LINE TO LINE: 1450 VDC FOR 1 MINUTE

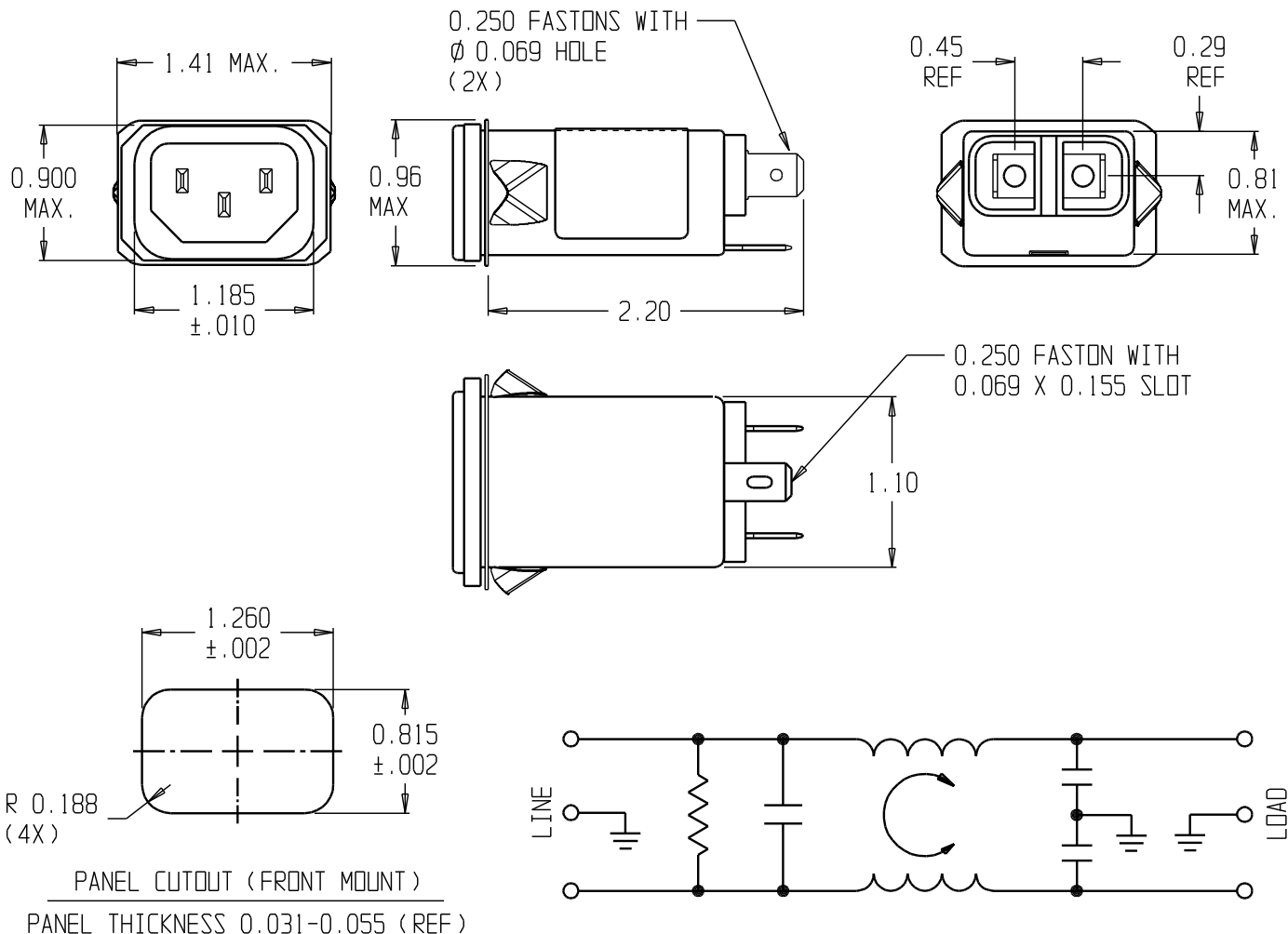
## FILTER APPROVAL:

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

## CUSTOMER DRAWING

## CATALOG # 3EJS1

| ECN #     | APPRVD. | DATE    |
|-----------|---------|---------|
| 08-012313 | PJD     | 19MAY08 |



## 50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | .01 | .05 | 0.1 | .15 | 0.5 | 1  | 5  | 10 | 30 |
|---------------|-----|-----|-----|-----|-----|----|----|----|----|
| COMMON dB     | -   | 10  | 15  | 20  | 30  | 39 | 48 | 50 | 60 |
| DIFF. dB      | -   | -   | 5   | 8   | 17  | 20 | 39 | 42 | 40 |

THIRD ANGLE PROJECTION



UNLESS OTHERWISE SPECIFIED,  
TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED

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HARRISBURG, PENNSYLVANIA USA



**Tyco Electronics**

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

## POWER LINE FILTER

| TYCO ELECTRONICS PART NO. |     | 0-6609006-8 |         |
|---------------------------|-----|-------------|---------|
| SCALE:                    | NTS | DATE:       | 12DEC02 |
| DRW. BY:                  | SD  | DRTG:       | PJD     |
| CATALOG NO.               |     | 3EJS1       |         |
| REV.                      |     | 4           |         |