

SAFETY ORGANIZATION(S):

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, NO.0,0.4,8
- VDE APPROVED
- VDE 565-3

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT:
- 10 AMP., 120/250 VAC
- 6 AMP./40°C, 250 VAC
- 50-60Hz
- 40°C
- LINE FREQUENCY:
- MAX. CASE RISE θ RATED CURRENT:
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND
- .5 mA at 120V 60 Hz
- 1.0 mA at 250V 50 Hz
- OPERATING AMBIENT TEMP. RANGE:
- 10°C TO +40°C θ 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 θ 40°C 95% RH
- CURRENT OVERLOAD TEST:
- 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

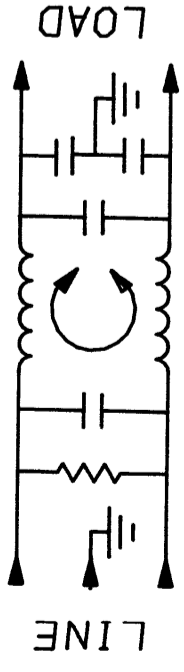
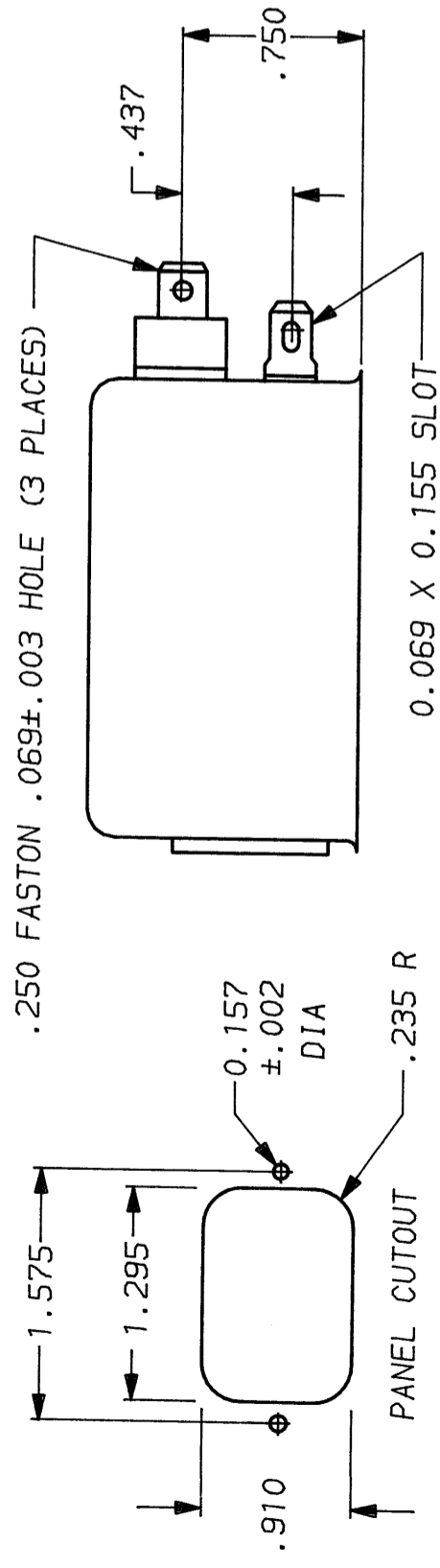
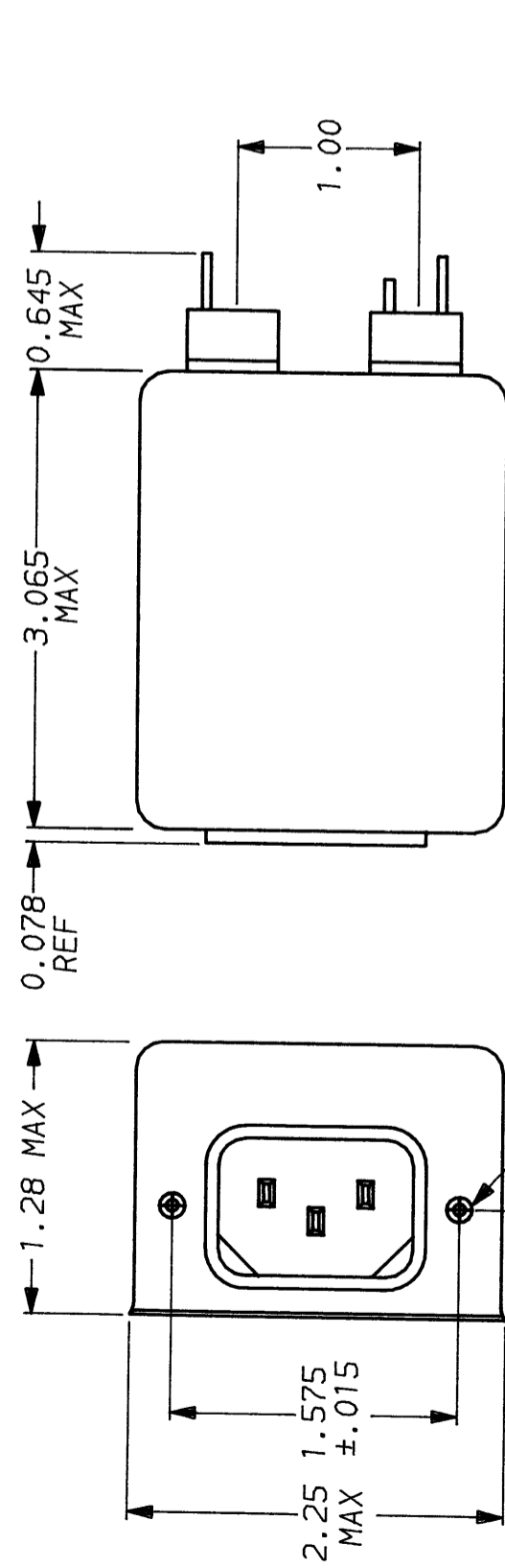
- INDUCTANCE:
- .495 mH NOMINAL
- CAPACITANCE: (MEASURED θ 1 KHZ, 0.25 VAC MAX., 25°C \pm 1°C)
- LINE TO GROUND:
- .011 μ F \pm 20%
- LINE TO LINE:
- .203 μ F \pm 20%
- DISCHARGE RESISTOR
- 1.5M Ω
- LINE/GROUND AND LINE/LINE
- INSULATION RESISTANCE
- 6000 M Ω (MIN) AT 100 VDC
- 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

- LINES TO GROUND:
- 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.



| 50 μ - 50 μ (MINIMUM) INSERTION LOSS | | | | | | | | |
|--|-----|----|----|----|----|----|----|----|
| FREQUENCY MHz | .15 | .5 | 1 | 2 | 5 | 10 | 20 | 30 |
| COMMON dB | 10 | 25 | 31 | 37 | 45 | 49 | 52 | 53 |
| DIFF. dB | 8 | 4 | 35 | 55 | 65 | 65 | 62 | 62 |

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TOLERANCE EXCEPT AS NOTED
DECIMAL: .XXX .XX .X ANGLES \pm 1°
ENGLISH: \pm .025
METRIC: \pm _____

MATERIAL: AS SUPPLIED

FINISH: AS SUPPLIED



CORCOM
LIBERTYVILLE, IL 60048

POWER LINE FILTER

| | | | |
|---------|------------|------------|------|
| SCALE | DATE | DRG. NO. | REV. |
| NTS | 7-31-90 | 10VK7 & 7M | 5 |
| DRW. BY | ORIGINATOR | | |
| CFW | CFW | | |

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