

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 1283
- UL RECOGNIZED
- CSA 22.2, NO.0.0.4,8
- CSA CERTIFIED
- VDE 565-3
- VDE APPROVED

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT: 5 AMP., 120/250 VAC
- 5 AMP./40°C, 250 VAC
- 50-60Hz
- 30°C
- LINE FREQUENCY: .5 mA at 120V 60 Hz
- MAX. CASE RISE @ RATED CURRENT: 1.0 mA at 250V 50 Hz
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: -10°C TO +40°C @ RATED CURRENT, I_r
- OPERATING AMBIENT TEMP. RANGE: 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 RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

- INDUCTANCE: .516 mH NOMINAL
- CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)
 - LINE TO GROUND: .011µF ±20%
 - LINE TO LINE: .203µF ±20%
- DISCHARGE RESISTOR 1.5MΩ
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE 6000 MΩ (MIN) AT 100 VDC 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

- LINE 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.

TOLERANCE EXCEPT AS NOTED

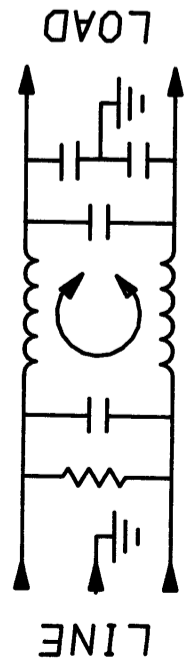
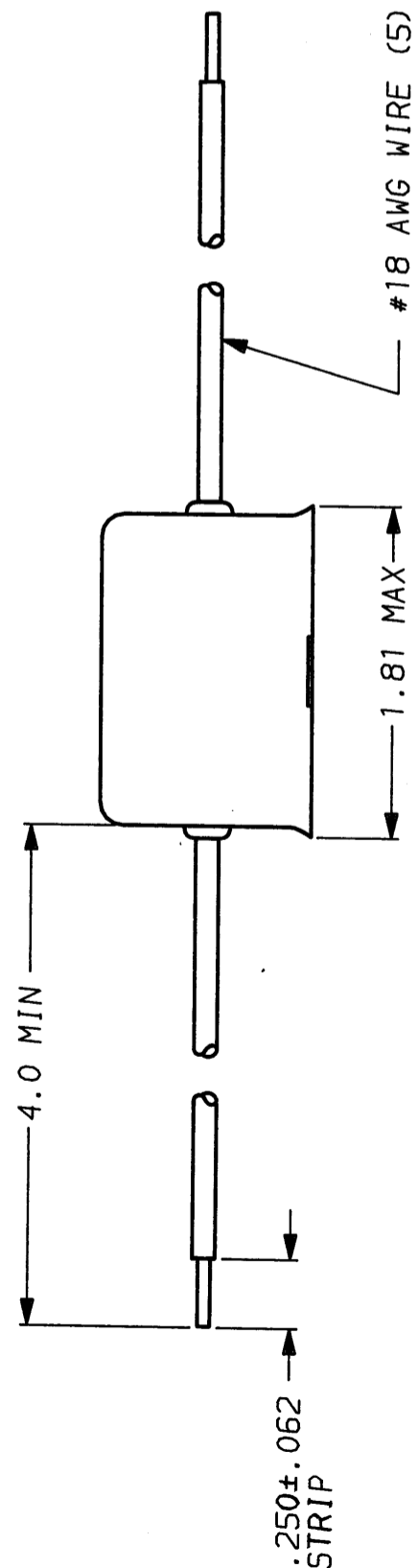
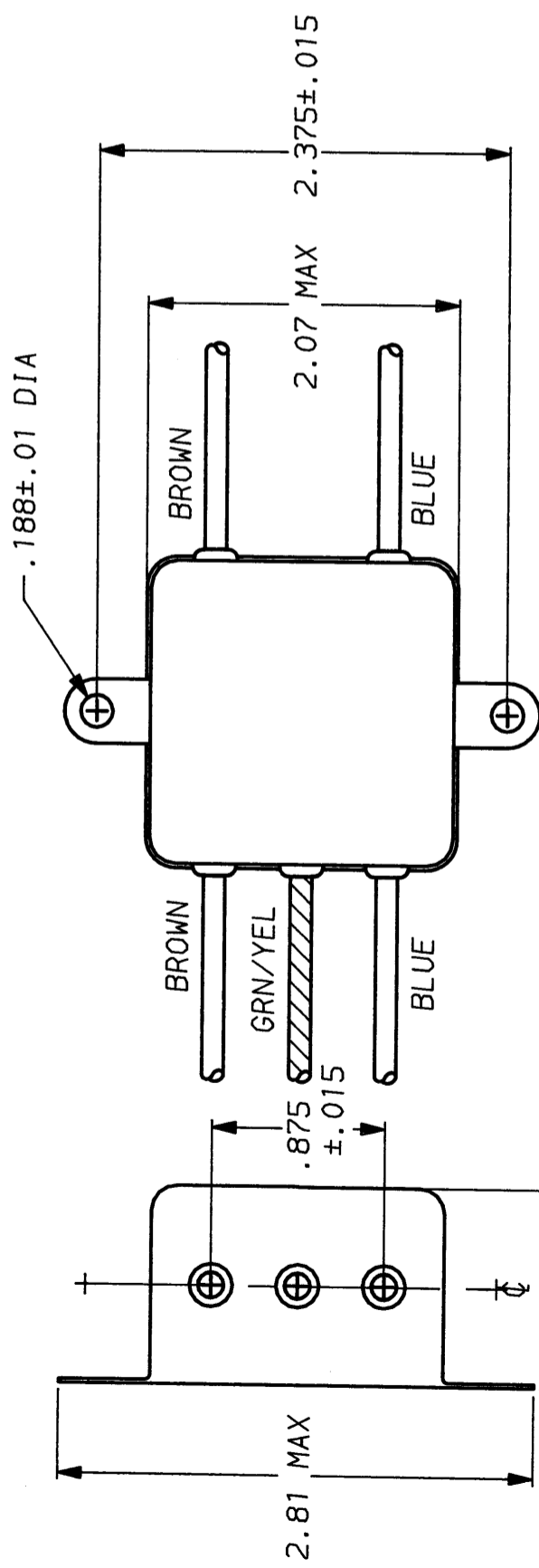
- DECIMAL: .XXX .XX .X ANGLES ± 1°
- ENGLISH: ±.025
- METRIC: ±

MATERIAL:

AS SUPPLIED

FINISH:

AS SUPPLIED



50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | .15 | .4 | .5 | 1 | 2 | 5 | 10 | 20 | 30 |
|---------------|-----|----|----|----|----|----|----|----|----|
| COMMON dB | 11 | 19 | 25 | 28 | 35 | 42 | 48 | 53 | 53 |
| DIFF. dB | 4 | 4 | 20 | 43 | 60 | 63 | 58 | 46 | 46 |

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LIBERTYVILLE, IL 60048

POWER LINE FILTER

| | | | |
|---------|------------|----------|---------|
| SCALE | DATE | DRG. NO. | REV. |
| NTS | 7-31-90 | | 5VK3.05 |
| DRN. BY | ORIGINATOR | | |
| CFW | CFW | | |

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