

TAM 11/30/92
APPROVED BY/DATE

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 IN PROCESS
- CSA CERTIFIED IN PROCESS
- VDE APPROVED IN PROCESS

OPERATING SPECIFICATIONS.

- LINE VOLTAGE/CURRENT: 3 AMP., 120/250 VAC
- 50-60HZ
- LINE FREQUENCY: .25ma at 120V 60 Hz
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: .42ma at 250V 50 Hz
- OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r

IN AN AMBIENT, I₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85-I_0}{45}}$$

RELIABILITY SPECIFICATIONS.

- STORAGE TEMPERATURE: -25°C TO +85°C
- HUMIDITY: 21 DAYS @ 40°C 95% RH
- CURRENT OVERLOAD TEST: 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS.

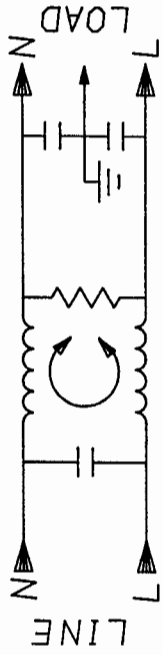
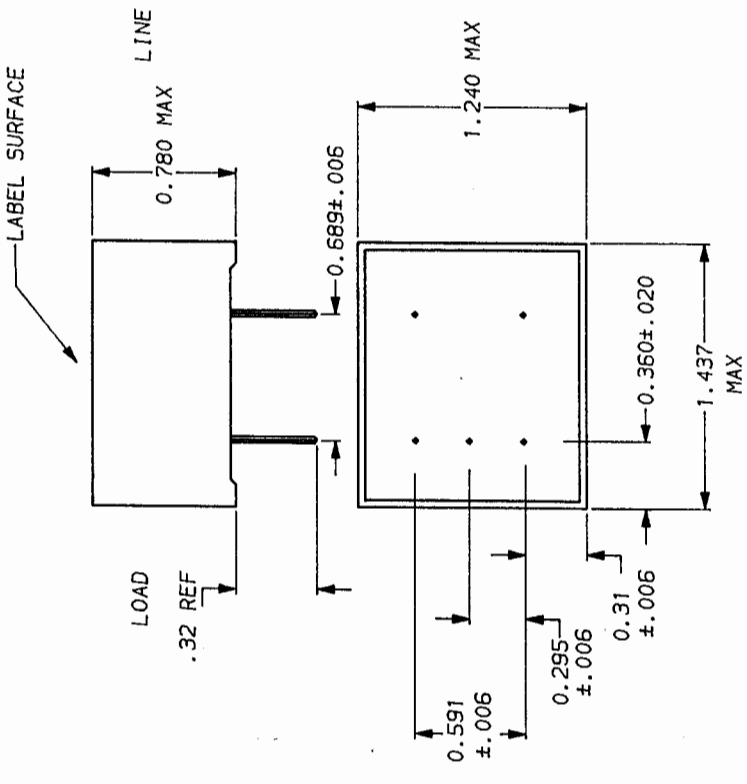
- INDUCTANCE: 1.99 mH NOMINAL
- CAPACITANCE: MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C
- LINE TO GROUND: .003µF ±20%
- LINE TO LINE: .02µF ±20%
- DISCHARGE RESISTOR: 1.5MΩ
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE: 6000 MΩ (MIN) AT 100 VDC
- (W/O DISCHARGE RESISTOR) 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT.

- LINE TO GROUND: 1500 Vdc FOR 1 MINUTE
- LINE TO LINE: 1450 Vdc FOR 1 MINUTE

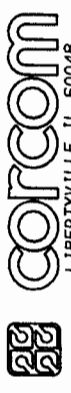
FILTER APPROVAL.

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



| 50Ω - 50Ω (MINIMUM) INSERTION LOSS | | | | | | | | | | | | | |
|------------------------------------|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|
| FREQUENCY MHz | .01 | .15 | .50 | 70 | 1 | 2 | 3 | 4 | 5 | 8 | 10 | 20 | 30 |
| COMMON | 1 | 21 | 27 | 31 | 33 | 35 | 40 | 44 | 48 | 48 | 40 | 20 | 15 |
| DIFF. | 1 | 4 | 6 | 9 | 9 | 20 | 28 | 35 | 40 | 41 | 36 | 35 | |

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LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE: NTS 10/21/92
DATE: 10/21/92
DRG. NO.: 3EOP.00
REV. 00
DESIGNED BY: TAM
DRAWN BY: TAM

X-ON Electronics

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