

## 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 133200

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 6 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.21mA @ 120V, 60Hz  
0.36mA @ 250V, 50Hz

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

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

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

## 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: 1.56mH NOMINAL  
CAPACITANCE: (MEASURED @ 1kHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0056μF ±20%  
LINE TO LINE: 1.361μF ±20%  
DISCHARGE RESISTOR: 340KΩ  
L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

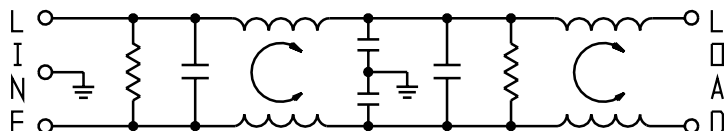
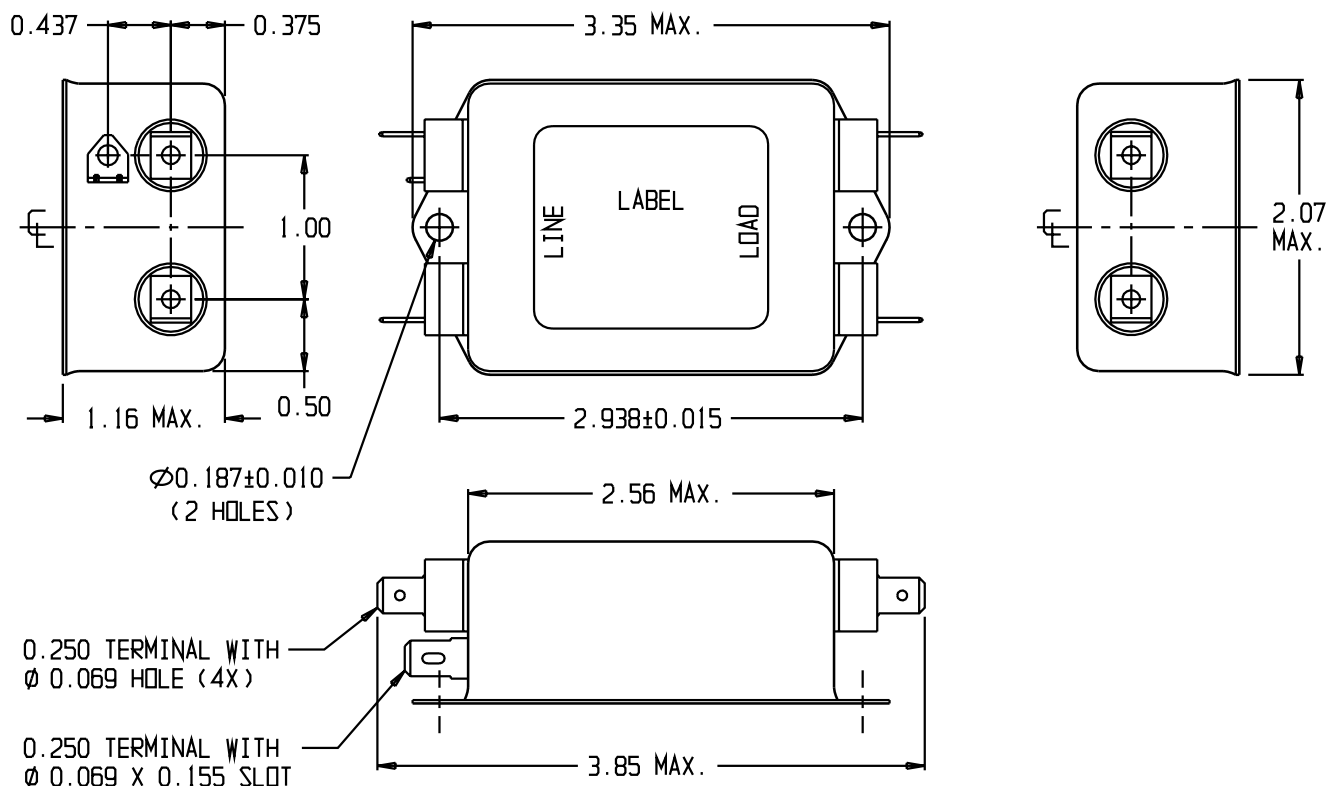
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE  
LINE TO LINE: 1450VDC FOR 1 MINUTE

## FILTER APPROVAL:

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

CATALOG # 6EMC1

| ECO # | APPRVD. | DATE   |
|-------|---------|--------|
|       | KAW     | 3DEC06 |



## 50Ω- 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY<br>MHz | 0.01 | 0.05 | 0.07 | 0.11 | 0.15 | 1.0 | 2.0 | 10 | 20 | 30 |
|------------------|------|------|------|------|------|-----|-----|----|----|----|
| COMMON<br>dB     | 2    | 6    | 6    | 2    | 15   | 65  | 67  | 65 | 62 | 63 |
| DIFF.<br>dB      | 6    | 12   | 12   | 8    | 27   | 61  | 61  | 59 | 56 | 54 |

THIRD ANGLE  
PROJECTION



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

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CUSTOMER DRAWING 6EMC1

TYCO: 1-6609037-2

|            |               |             |      |
|------------|---------------|-------------|------|
| SCALE:     | DATE: 12DEC03 | CATALOG NO. | REV. |
| DRY BY: JF | DRIG: KAW     | 6EMC1       | B    |