

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 APPROVED
- VDE 565-3

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT: 30 AMP., 120/250 VAC
- 25 AMP./40°C, 250 VAC
- 50-60Hz
- 40°C
- LINE FREQUENCY: .75mA at 120V 60 Hz
- MAX. CASE RISE  $\theta$  RATED CURRENT: 1.25 mA at 250V 50 Hz
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: -10°C TO +40°C  $\theta$  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  $\theta$  40°C 95% RH
- CURRENT OVERLOAD TEST: 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

- INDUCTANCE: .529 mH NOMINAL (Gnd Choke)
- 1.73 mH NOMINAL
- CAPACITANCE: (MEASURED  $\theta$  1 KHz, 0.25 VAC MAX., 25°C  $\pm$ 1°C)
- LINE TO GROUND: .01 $\mu$ F  $\pm$ 20%
- LINE TO LINE: 1.08 $\mu$ F  $\pm$ 20%
- DISCHARGE RESISTOR: 235 K $\Omega$
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE: 6000 M $\Omega$  (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

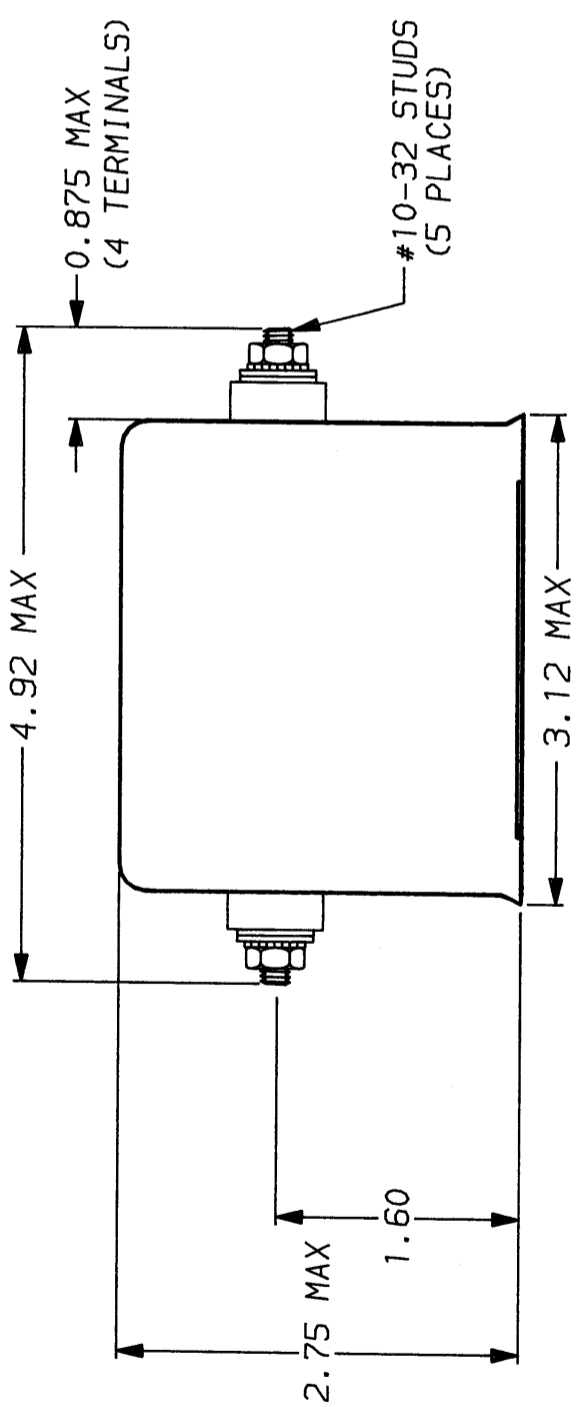
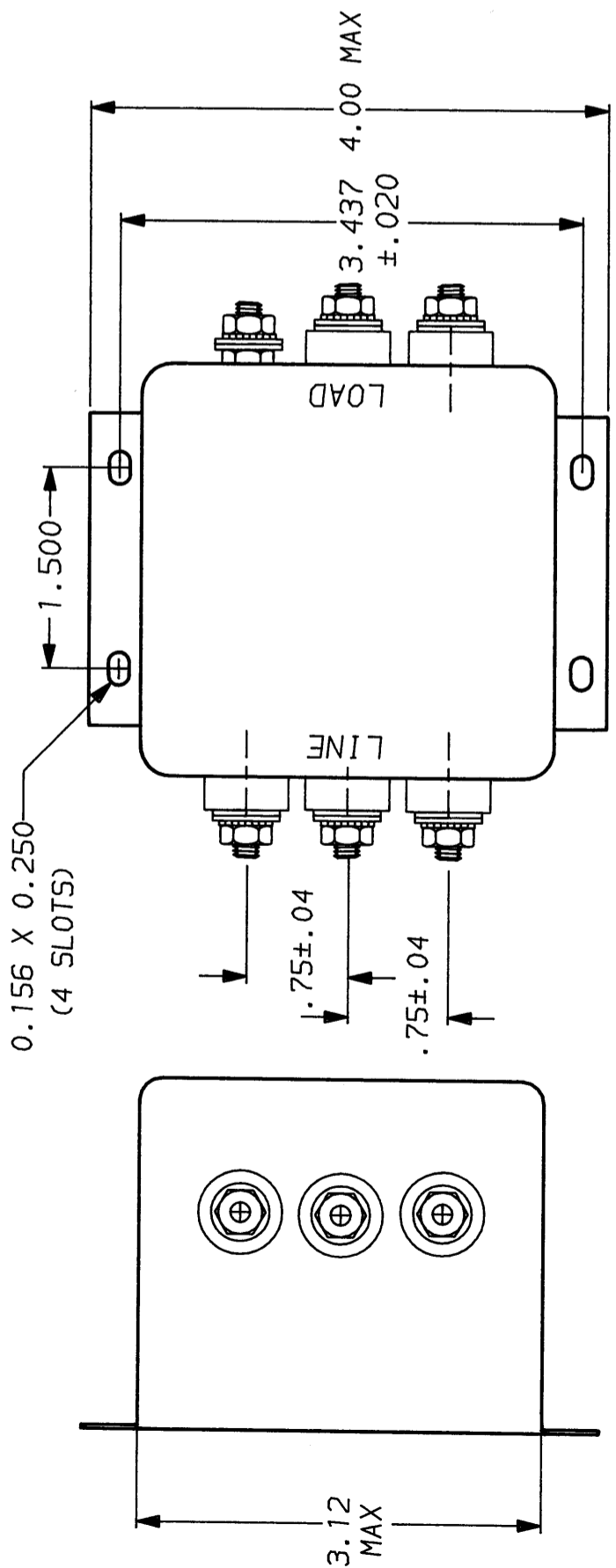
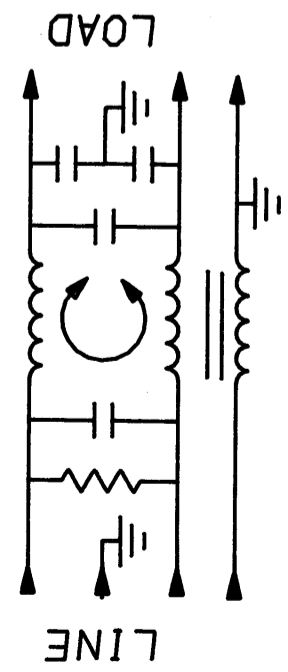
FILTER APPROVAL:

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

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

FREQUENCY MHz	.01	.05	.2	.5	1.0	2.0	5.0	10	20	30
COMMON dB	2	9	20	27	31	38	46	51	44	39
DIFF. dB	5	13	14	60	60	60	51	43	43	43

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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



POWER LINE FILTER

SCALE: NTS 9-12-89  
 DATE: 9-12-89  
 DRG. NO.: 30VSK6C.01  
 REV.:  
 ORIGINATOR: TDL  
 CW

# Mouser Electronics

Authorized Distributor

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[30VSK6C](#)