

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
 CSA CERTIFIED
 VDE APPROVED

UL 1283
 CSA 22.2, NO.0,0.4,8
 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:
 MAX. CASE RISE θ RATED CURRENT:
 MAX. LEAKAGE CURRENT, EACH
 LINE TO GROUND
 OPERATING AMBIENT TEMP. RANGE:
 .75mA at 120V 60 Hz
 1.25 mA at 250V 50 Hz
 -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:
 HUMIDITY:
 CURRENT OVERLOAD TEST:

-40°C TO +85°C
 21 DAYS θ 40°C 95% RH
 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE:
 CAPACITANCE: (MEASURED θ 1 KHz, 0.25 VAC MAX., 25°C \pm 1°C)
 LINE TO GROUND:
 LINE TO LINE:
 DISCHARGE RESISTOR
 LINE/GROUND AND LINE/LINE
 INSULATION RESISTANCE

1.73 mH NOMINAL
 .01 μ F \pm 20%
 1.08 μ F \pm 20%
 235 K Ω
 6000 M Ω (MIN) AT 100 VDC
 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND:
 LINE TO LINE:

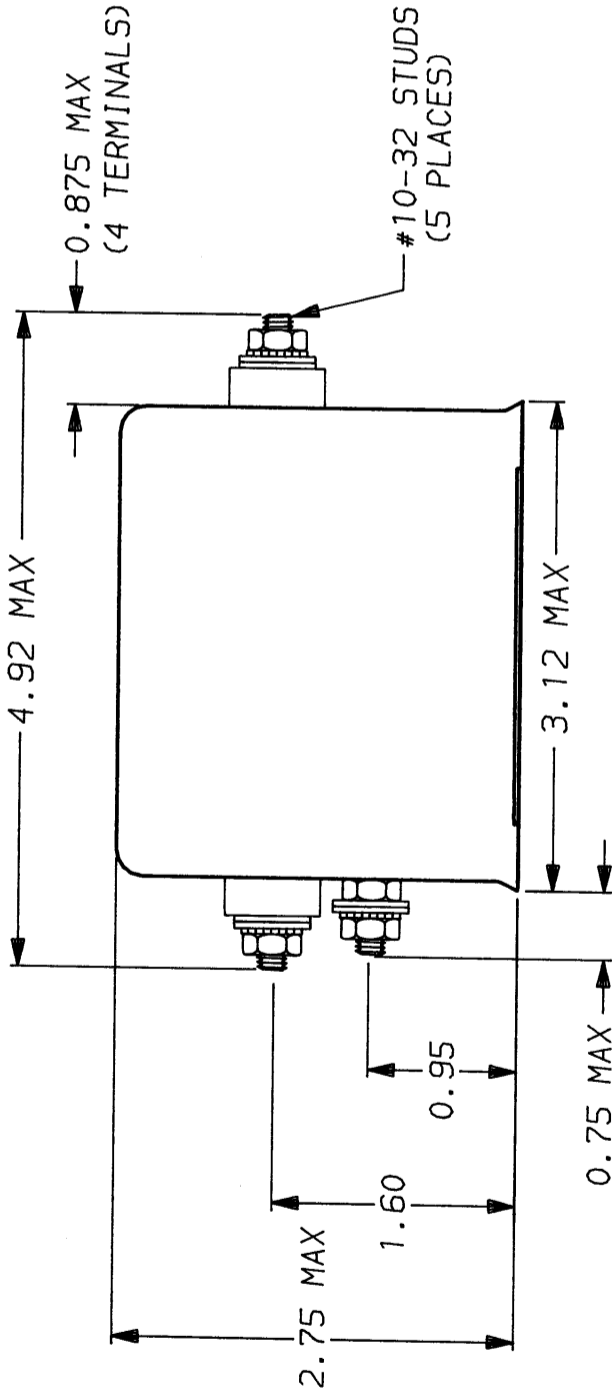
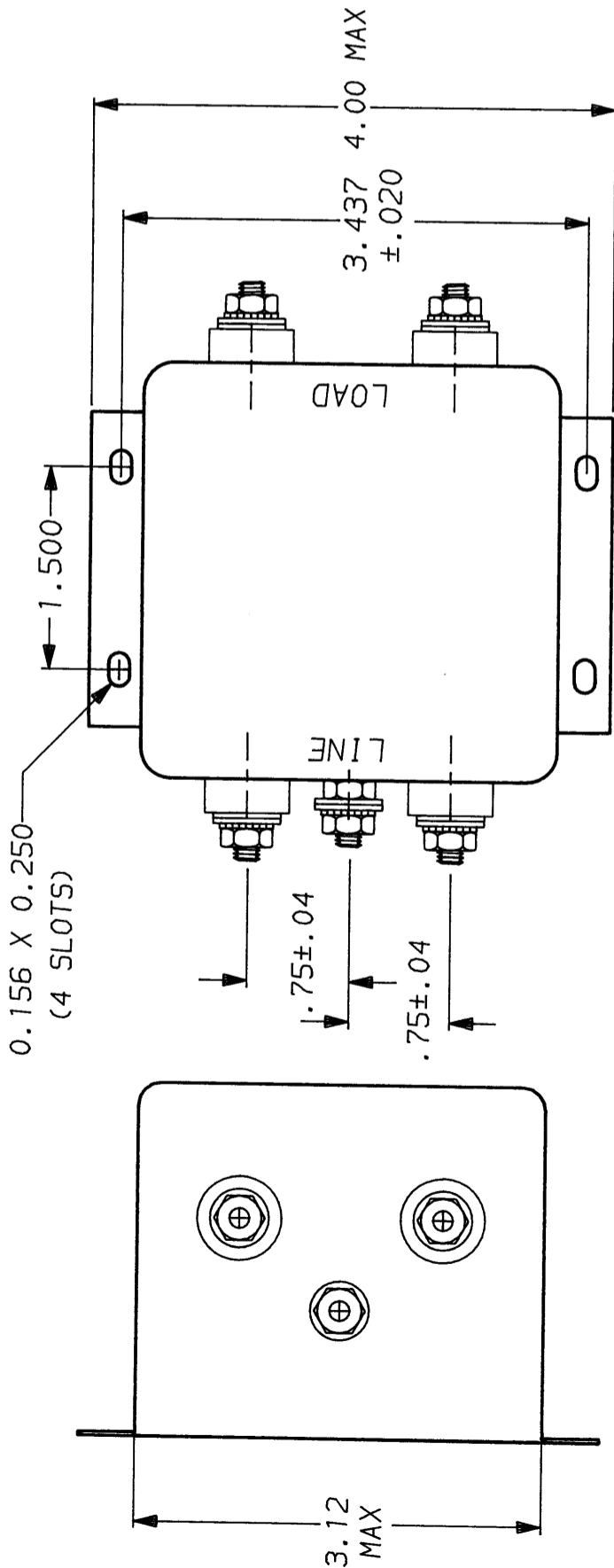
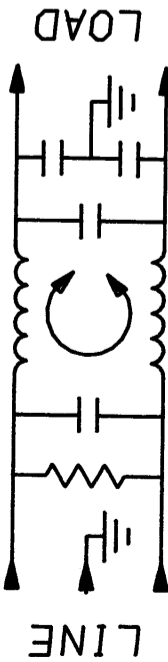
2250 VDC FOR 1 MINUTE
 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

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

50 Ω - 50 Ω (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

CORCOM
 LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	9-12-89		
DRW. BY	ORIGINATOR		
TDL	CW		

30VSK6.01

Mouser Electronics

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