

# 15EHT1

## 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  
SEV PENDING

UL 544  
CSA 22.2, NO.0,0.4,8  
VDE 0565-3

## OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT, 15 AMP, 120/250 VAC

12 AMP./40°C, 250 VAC

LINE FREQUENCY, 50-60Hz

MAX. LEAKAGE CURRENT, EACH, 2  $\mu$ A at 120V 60Hz

LINE TO GROUND, 5  $\mu$ A at 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:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

## 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, 5.07 mH NOMINAL  
CAPACITANCE, (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)

LINE TO LINE, 2.07  $\mu$ F ±20%  
DISCHARGE RESISTOR, 165k $\Omega$

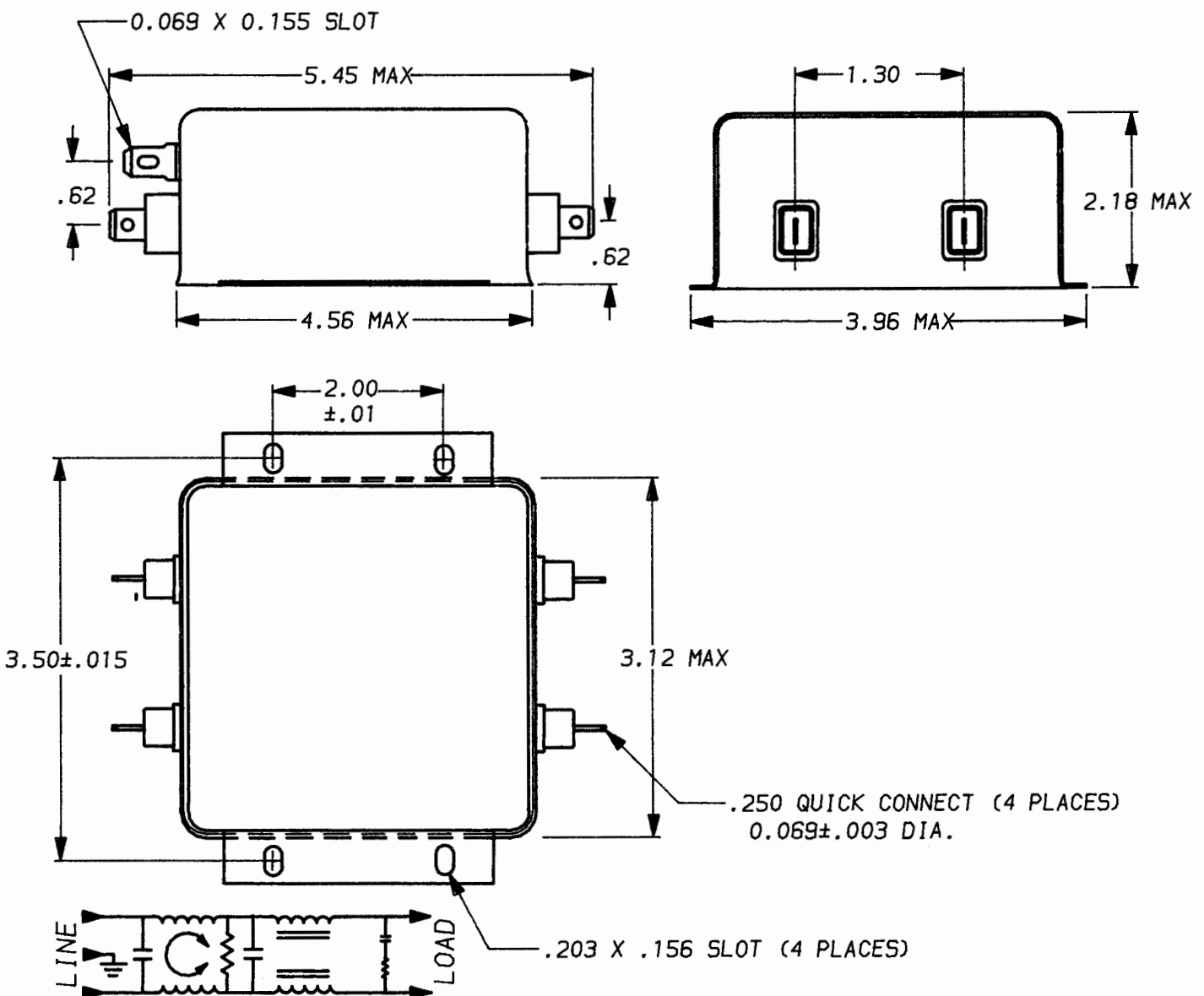
LINE/GROUND AND LINE/LINE, 6000M $\Omega$  (MIN) AT 100VDC  
INSULATION RESISTANCE, 20°C AND 50% RH

## 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.



### 50n - 50n (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.03	.05	.07	.1	.15	.3	.5	1	2	5	10	20	30	/
COMMON dB	4	13	18	21	24	27	35	41	34	22	12	12	5	2	/
DIFF. dB	12	19	15	13	24	51	70	70	70	70	70	70	65	55	/

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

**corcom**  
LIBERTYVILLE, IL 60048

POWER LINE FILTER

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DATE: 10-4-93

CATALOG NO.

APPRVD: TAM

15EHT1

CAD NO.

15EHT1.02

# Mouser Electronics

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