

## 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:

RECOGNIZED: UL 1283  
 CSA CERTIFIED: CSA 22.2, # 0.0.4.8  
 VDE APPROVED: EN 133 200

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 12 AMP, 120/250 VAC,  
 12 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

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

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

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

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

## 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:

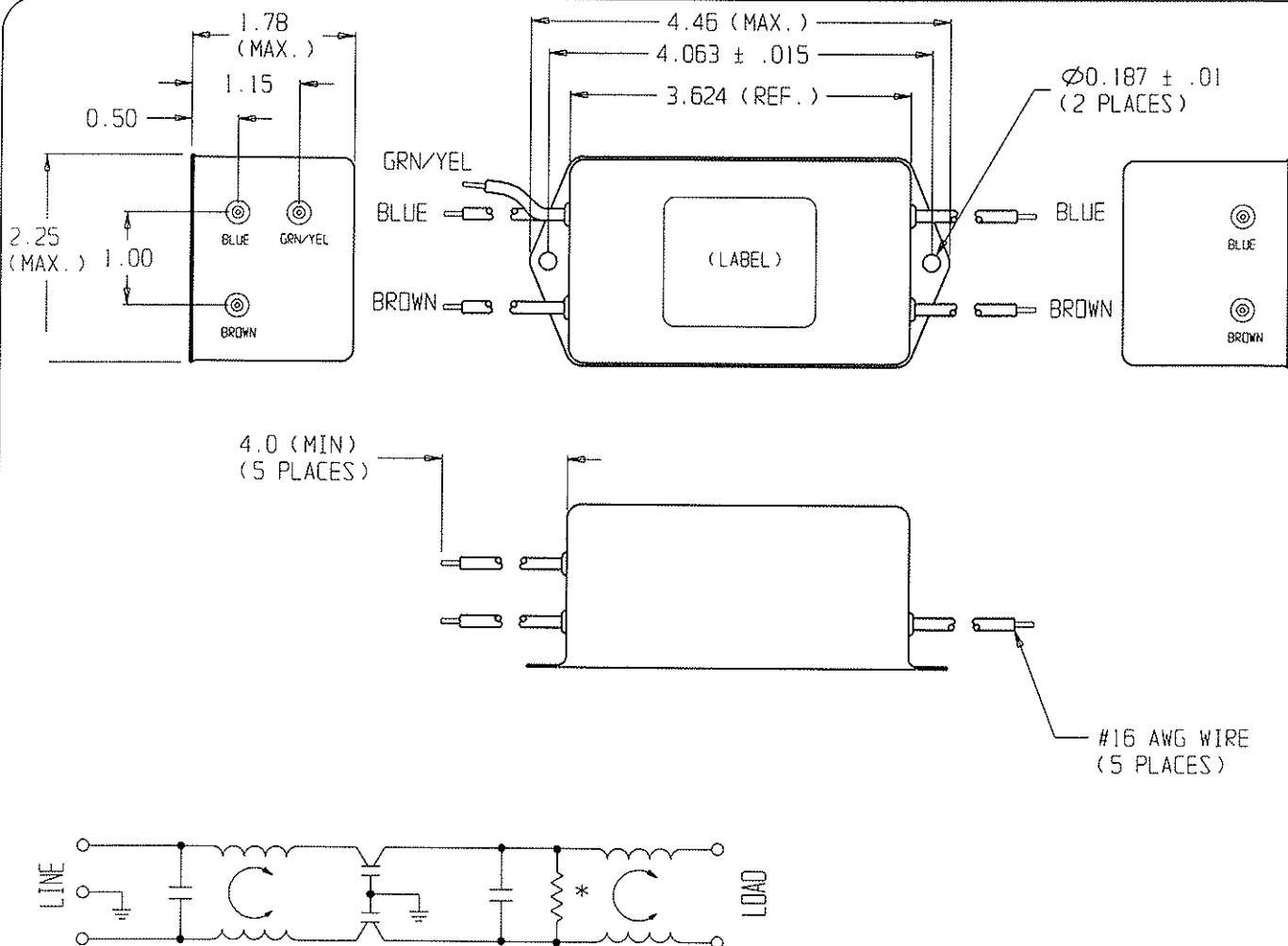
INDUCTANCE: 7.88mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.0056  $\mu$ F ±20%  
 LINE TO LINE: 2.0014  $\mu$ F ±20%  
 DISCHARGE RESISTOR: 0.165M $\Omega$   
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000M $\Omega$  (MIN.) @ 100VDC,  
 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC 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.



\* RESISTOR LOCATION OPTIONAL

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

ENCL z	.01	.04	.05	.15	.5	1	5	10	20	30
COMMON dB	12	9	7	52	68	70	70	70	70	45
DIFF. dB	11	20	7	43	70	70	70	65	45	45

THIRD ANGLE  
 PROJECTION



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

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## POWER LINE FILTER

CAO FILE: 1G/CO/12EP301	TYCO: 2-6609037-7
SCALE: NTS	DATE: 25OCT04
DRW. BY: PJO	ORIG: PJO
CATALOG NO.	REV.
12EP3	1

# Mouser Electronics

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