

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
VOE 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_0 , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_0}{45}}$$

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 μF ±20%

LINE TO LINE: 2.0014 μF ±20%

DISCHARGE RESISTOR: 0.165MΩ

L/G AND L/L I.R.

NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,
20°C AND 50% RH

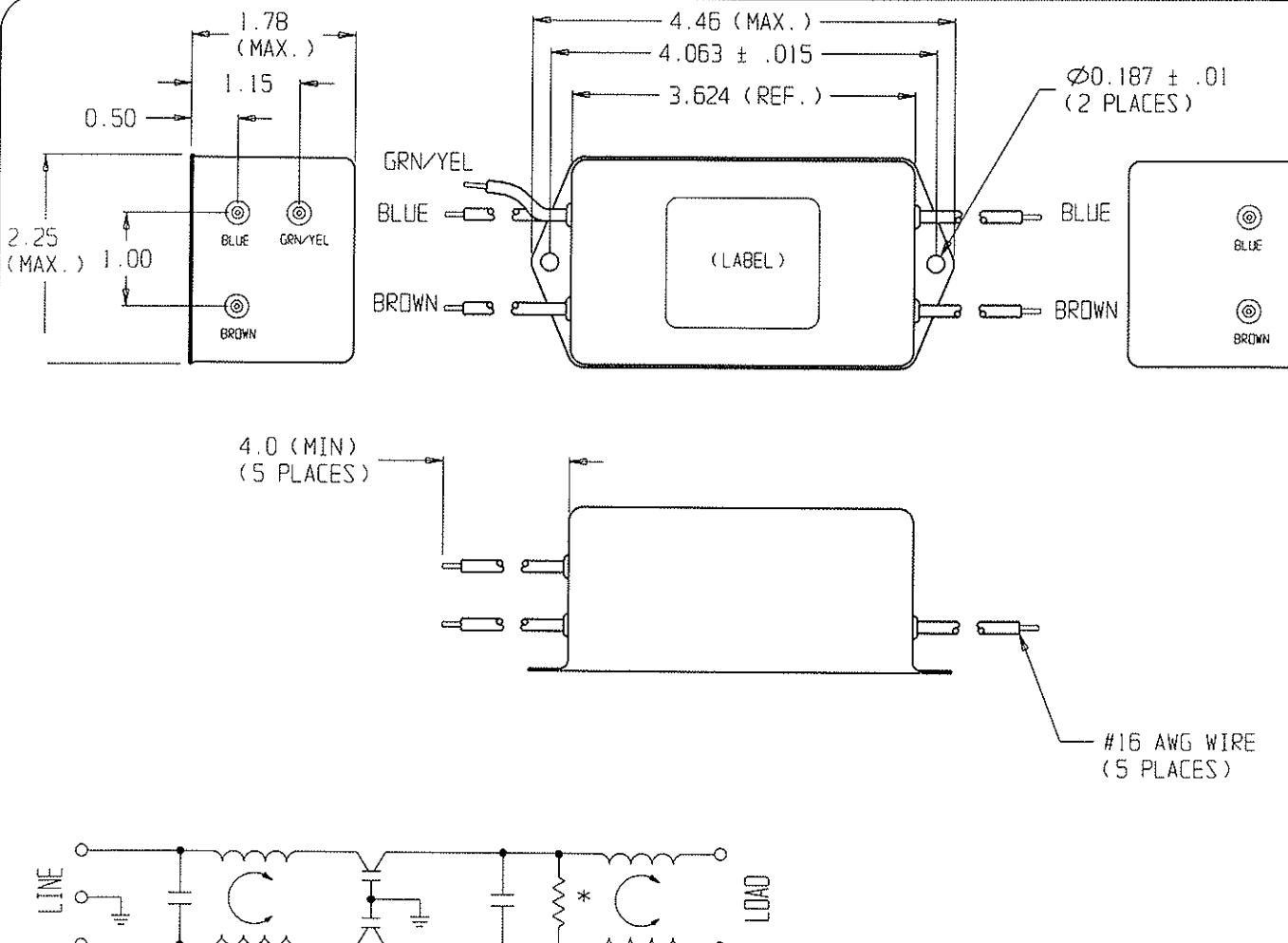
RECOMMENDED RECEIVING INSPECTION HIPOT:

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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

ENCY	.01	.04	.05	.15	.5	1	5	10	20	30
COMMON	12	9	7	52	68	70	70	70	70	45
DIFF.	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:/CD/12EP301	TYCO: 2-6609037-7
SCALE: NTS	DATE: 25OCT04
DRW. BY: PJD	ORIG: PJD

12EP3

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Mouser Electronics

Authorized Distributor

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