

## 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:

UL RECOGNIZED: UL 1283  
CSA CERTIFIED: CSA C22.2, No. 8.  
VDE APPROVED: EN 60959-2

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 16 AMP, 120/250 VAC,  
16 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.76 mA @ 120V 60Hz  
1.27 mA @ 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:  $I_o = I_r \sqrt{\frac{100 - T_a}{60}}$

## RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +100°C

HUMIDITY: 21 DAYS @ 40°C 95% RH.

CURRENT OVERLOAD TEST: 6 TIMES  $I_r$  FOR 8 SECONDS

## TEST SPECIFICATIONS:

INDUCTANCE: 2.1 mH NOMINAL

CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)

LINE TO GROUND: 0.02 μF ±20%

LINE TO LINE: 0.475 μF ±20%

DISCHARGE RESISTOR: 680K Ω

L/G AND L/L I.R.

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

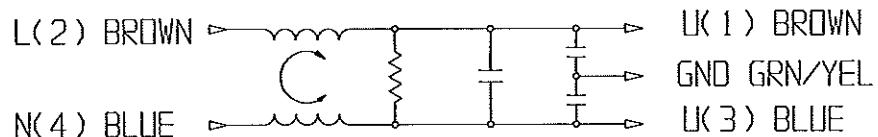
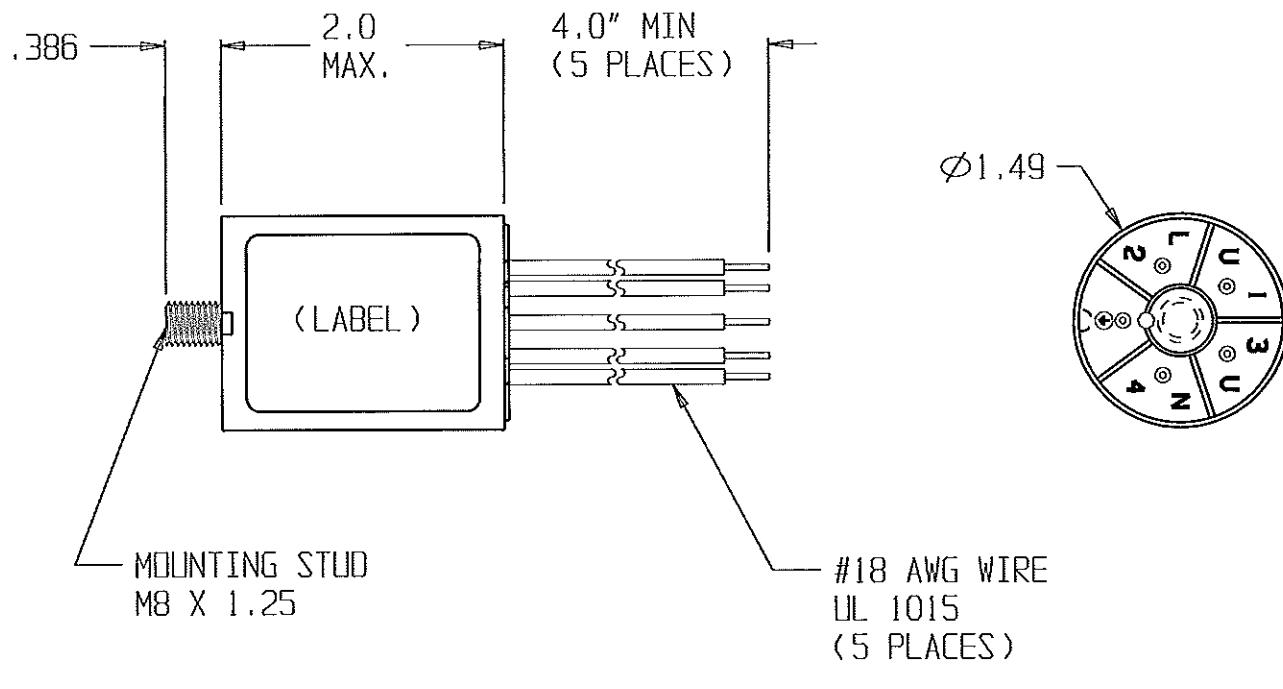
## RECOMMENDED RECEIVING INSPECTION HIPOT:

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(TYPICAL) INSERTION LOSS										
FREQUENCY MHz	.05	.1	.15	.5	1	2	5	10	20	30
COMMON dB	13	19	23	35	42	49	57	58	45	39
DIFF. dB	13	19	23	33	40	49	62	52	60	54

### THIRD ANGLE PROJECTION

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

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**Tyco Electronics**  
CORCOM PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEN IL 60060

### POWER LINE FILTER

TYCO ELECTRONICS PART NO:	7-6609089-8	SCALE:	0.75	DATE:	090EC05	CATALOG NO.		REV.
DRW. BY:	PJO	DRTG:	PJO	16WGC3	2			

# Mouser Electronics

Authorized Distributor

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