

**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 60939-2

**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<sub>r</sub>.

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, 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<sub>r</sub> FOR  
 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 0.54 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: 6000M Ω (MIN.) @ 100VDC,  
 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

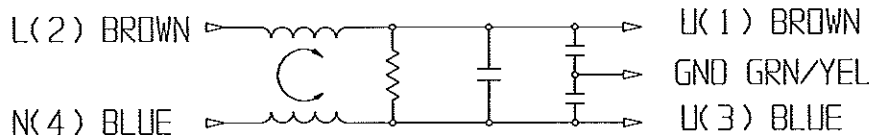
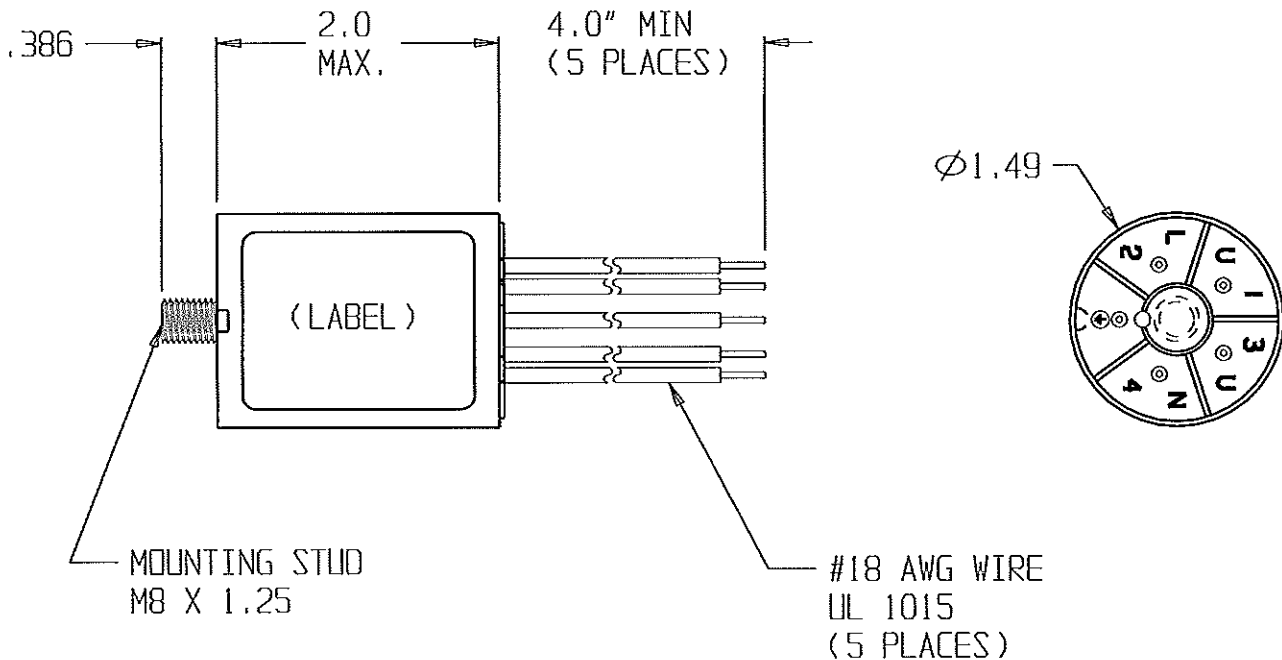
LINE TO GROUND: 1500 VAC FOR 1 MINUTE  
 LINE TO LINE: 1450 VDC FOR 1 MINUTE

**FILTER APPROVAL:**

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

**CATALOG # 16WGA3**

ECN #	APPRVD.	DATE
09-020711	<i>[Signature]</i>	18SEP09



**50Ω - 50Ω (TYPICAL) INSERTION LOSS**

FREQUENCY MHz	.05	.1	.15	.5	1	2	5	10	20	30
COMMON dB	3	10	14	31	40	47	53	55	43	36
DIFF. dB	13	19	23	33	40	53	51	42	53	53

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., HUNDELEIN IL 60050

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO: 7-6609089-6		DATE: 28NOV05	CATALOG NO.	REV.
SCALE: 0.75	DRW. BY: P.JD	DRG: P.JD	16WGA3	2

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