

**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: 0.10 mA @ 120V 60Hz  
0.20 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: 2.1 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.002µF ±20%  
LINE TO LINE: 0.471 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:**

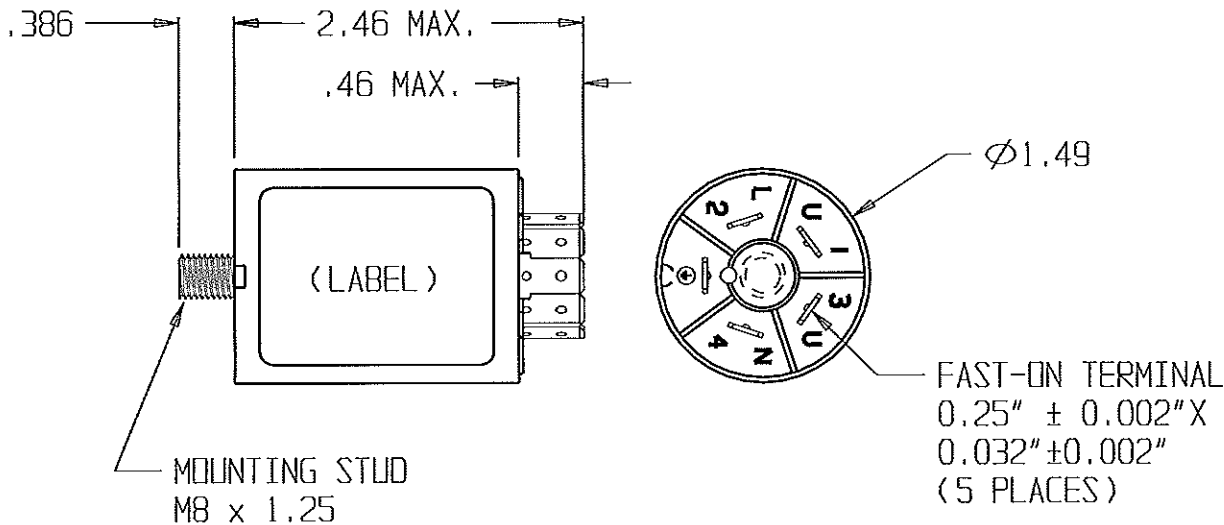
LINE TO GROUND: 1500 VAC FOR 1 MINUTE  
LINE TO LINE: 1450 VDC FOR 1 MINUTE

**FILTER APPROVAL:**

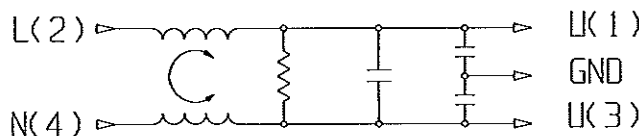
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

**CATALOG # 16WGF1**

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



**SCHEMATIC**



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

FREQUENCY MHz	.05	.1	.15	.5	1	2	5	10	20	30
COMMON dB	9	14	18	24	26	28	31	32	37	44
DIFF. dB	13	19	22	33	40	49	58	59	50	44

THIRD ANGLE PROJECTION

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

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HARRISBURG, PENNSYLVANIA USA

**Tyco Electronics**

CORBIN PRODUCTS, 620 S. BUTTERFIELD RD. HUNDELEIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO: 4-6609089-B		DATE: 20OCT04	CATALOG NO.	REV.
SCALE: 0.75	DRW. BY: P.JD		16WGF1	3
TRIG: P.JD				

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