

### 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 22.2, # 8  
 VDE APPROVED: EN 133200

### OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 6 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.22mA @ 120V, 60Hz  
 0.38mA @ 250V, 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>.

IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{60}}$$

### RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH.  
 CURRENT OVERLOAD TEST: 6 TIMES I<sub>r</sub> FOR 8 SECONDS

### TEST SPECIFICATIONS:

INDUCTANCE: 0.93mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.0059µF ±20%  
 LINE TO LINE: 0.2015µF ±20%  
 DISCHARGE RESISTOR: 1.0MΩ  
 L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

### RECOMMENDED RECEIVING INSPECTION HIPOT:

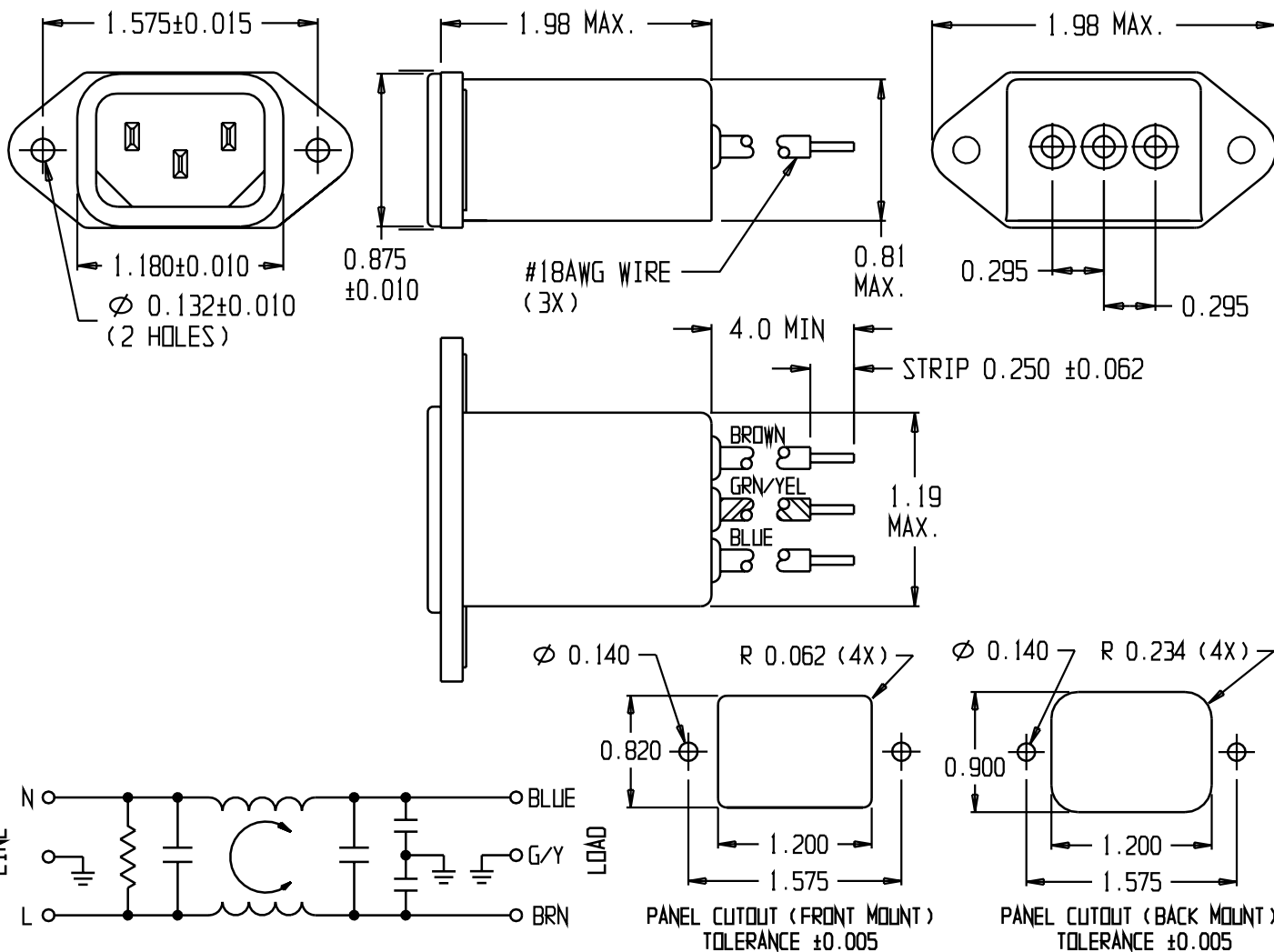
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE  
 LINE TO LINE: 1450VDC FOR 1 MINUTE

### FILTER APPROVAL:

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

CATALOG # 6EC8

ECO #	APPRVD.	DATE
	KAW	21NOV06



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

FREQUENCY MHz	0.15	0.5	0.6	1.0	2.0	5.0	10	20	30		
COMMON dB	15	22	-	25	30	40	45	50	50		
COMMON dB	10	10	10	40	60	65	60	40	40		

THIRD ANGLE PROJECTION

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

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**tyco** Electronics **corcom**  
 620 S. BUTTERFIELD ROAD MUNDLEIGH IL 60060

### CUSTOMER DRAWING 6EC8

TYCO: 1-6609017-2	SCALE: NTS	DATE: 14AUG90	CATALOG NO. 6EC8	REV. B
DRW. BY: JF	ORIG: KAW			

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