## 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: 3 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND:
0.22 mA @ 120V, 60Hz
0.38 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, $I_0$, 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 $I_r$ FOR
8 SECONDS

## TEST SPECIFICATIONS:

INDUCTANCE: 2.0mH 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: 1.0M Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC,
20°C AND 50% RH

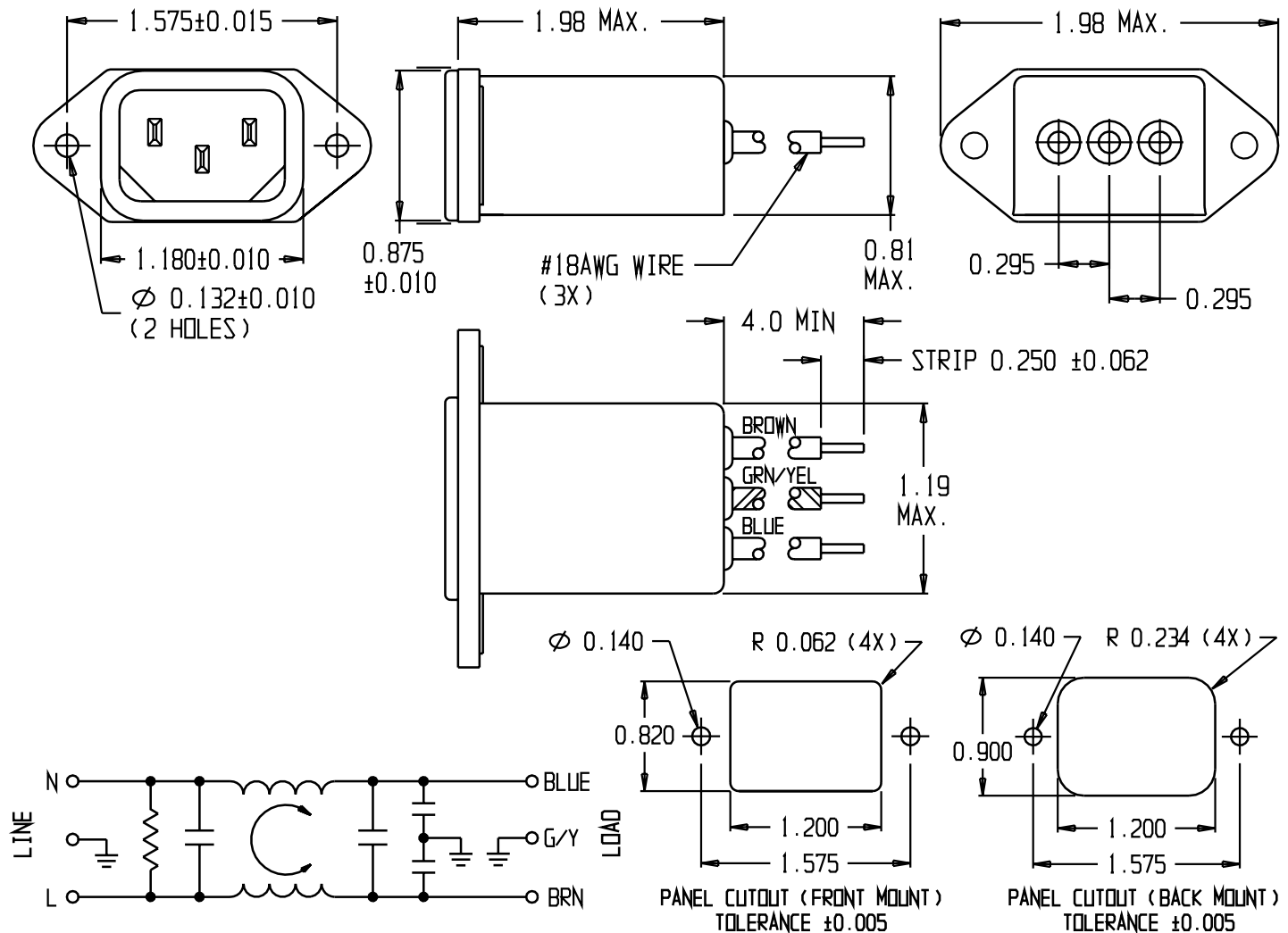## RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 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.



1.575±0.015
1.98 MAX.
1.98 MAX.
1.180±0.010
Ø 0.132±0.010 (2 HOLES)
0.875 ±0.010
#18AWG WIRE (3X)
0.81 MAX.
0.295
0.295

4.0 MIN
STRIP 0.250 ±0.062
BROWN
GRN/YEL
BLUE
1.19 MAX.

Ø 0.140
R 0.062 (4X)
0.820
1.200
1.575
PANEL CUTOUT (FRONT MOUNT)
TOLERANCE ±0.005

Ø 0.140
R 0.234 (4X)
0.900
1.200
1.575
PANEL CUTOUT (BACK MOUNT)
TOLERANCE ±0.005

LINE
N
L
BLUE
G/Y
BRN
LOAD

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

| FREQUENCY MHz | 0.15 | 0.3 | 0.5 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 |
|---|---|---|---|---|---|---|---|---|---|
| COMMON dB | 20 | - | 30 | 37 | 41 | 47 | 49 | 49 | 50 |
| COMMON dB | 5 | 3 | 25 | 45 | 60 | 60 | 55 | 34 | 34 |

THIRD ANGLE PROJECTION

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

tyco / Electronics ▮corcom
620 S. BUTTERFIELD ROAD MUNDELEIN IL 60060

## CUSTOMER DRAWING 3EC8

TYCO: 0-6609017-8

| SCALE: NTS | DATE: 14AUG90 | CATALOG NO. | |
|---|---|---|---|
| DRW. BY: JF | ORIG: KAW | 3EC8 | REV. B |

# Mouser Electronics

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