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:
0.22 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: 0.93mH NOMINAL
INDUCTANCE: GROUND CHOKE = 0.275mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0059µF ±20%
LINE TO LINE: 0.1015µF ±20%
DISCHARGE RESISTOR: 3.3MΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

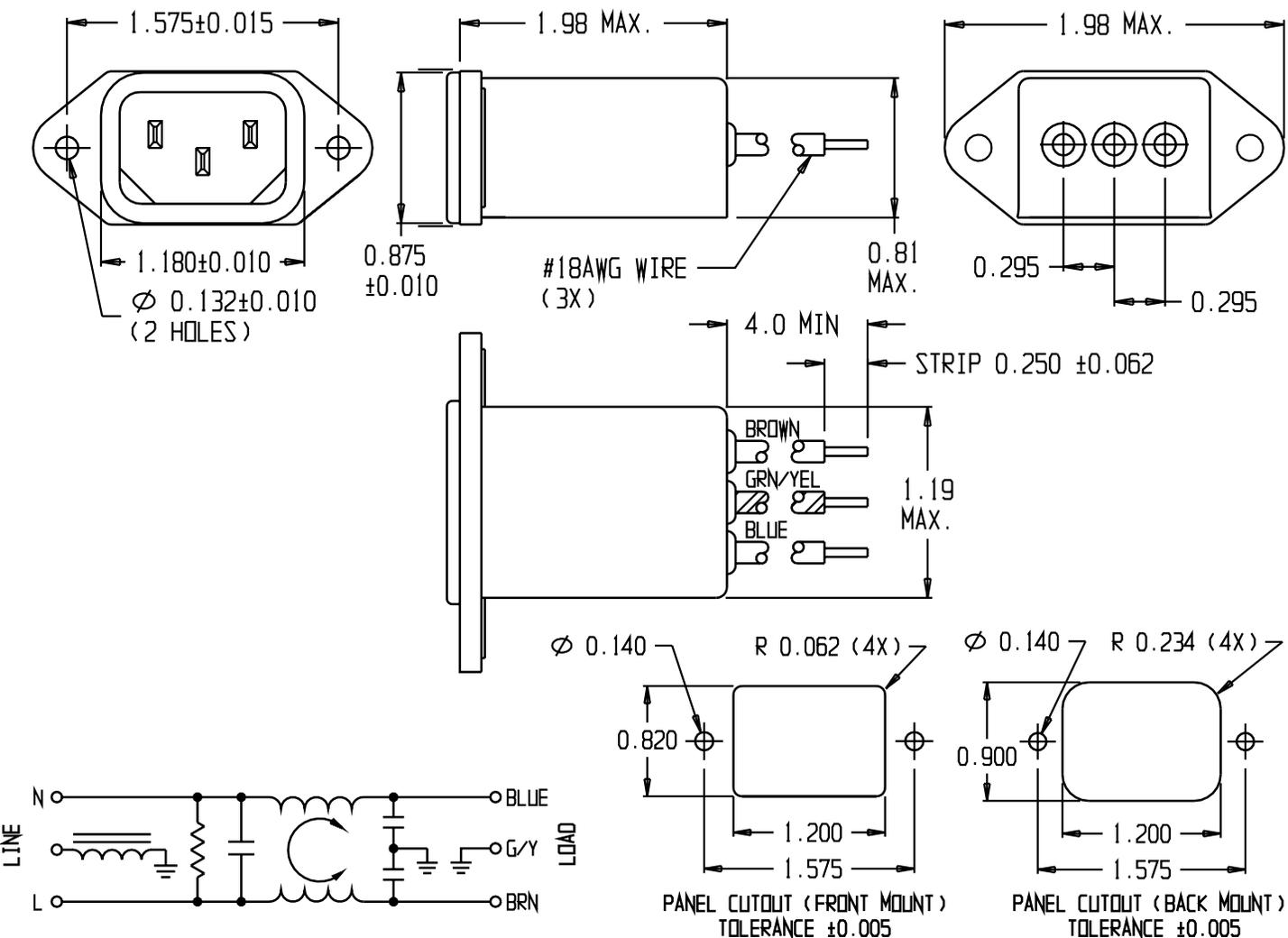## RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 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
1.180±0.010
Ø 0.132±0.010 (2 HOLES)

1.98 MAX.
0.875 ±0.010
#18AWG WIRE (3X)
0.81 MAX.

1.98 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 — BLUE
G/Y
L — BRN
LOAD

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	0.15	0.5	1.0	5.0	10	30
COMMON dB	14	20	25	37	42	50
DIFF dB	7	17	23	29	38	42

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 6ED8C

TYCO: 1-6609016-5

SCALE: NTS	DATE: 14AUG90	CATALOG NO.	
DRW. BY: JF	ORIG: CFW	6ED8C	REV. B