

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: 1 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND: 0.21mA @ 120V, 60Hz
 0.36mA @ 250V, 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, 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: 1.86mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.005µF ±20%
 LINE TO LINE: 0.20µF ±20%
 DISCHARGE RESISTOR: 1.5MΩ
 L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

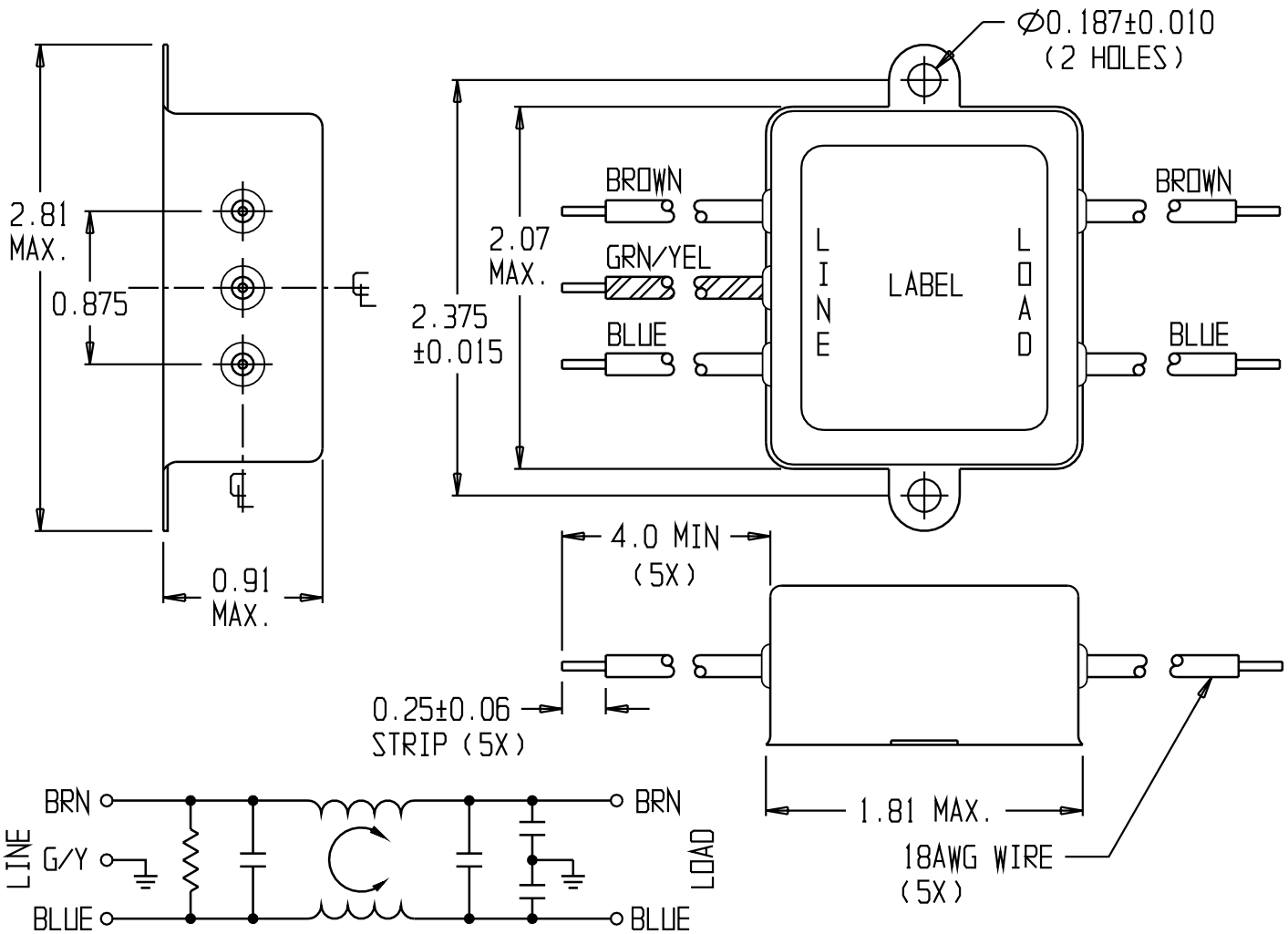
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
 LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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

CATALOG # 1EK3

| ECD # | APPRVD. | DATE |
|-------|---------|--------|
| | KAW | 6DEC06 |



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|------------------------------------|------|-----|-----|-----|-----|-----|----|----|----|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|---------------------------------------------------------------------------------------|--|
| 50Ω - 50Ω (MINIMUM) INSERTION LOSS | | | | | | | | | | THIRD ANGLE PROJECTION | | | | tyco / Electronics CORCOM 620 S. BUTTERFIELD ROAD MUNDLEIGH IL 60060 | |
| FREQUENCY MHz | 0.15 | 0.3 | 0.5 | 1.0 | 2.0 | 5.0 | 10 | 20 | 30 | | UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED | | CUSTOMER DRAWING 1EK3 | | |
| COMMON dB | 20 | - | 33 | 41 | 46 | 45 | 45 | 47 | 50 | | This document is proprietary to CORCOM INC. and is not to be reproduced nor used for manufacturing purposes except on CORCOM'S prior written consent. | | TYCO: 0-6609027-2 | | |
| DIFF. dB | 2 | 2 | 30 | 48 | 55 | 55 | 52 | 40 | 40 | | SCALE: NTS | DATE: 12SEP89 | CATALOG NO. 1EK3 | REV. B | |
| | | | | | | | | | | | DRW. BY: JF | DRG: CW | | | |