

CUSTOMER DRAWING		
CATALOG # 15ERK1		
EC #	APPRVD.	DATE
08-031152	PJD	12DEC08

**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, # 0,0,4,8
- VOE APPROVED: EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 15 AMP/40°C, 120/250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.16 mA @ 120V 60Hz  
0.28 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 +85°C  
HUMIDITY: 21 DAYS @ 40°C 95% RH.  
CURRENT OVERLOAD TEST: 6 TIMES I<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

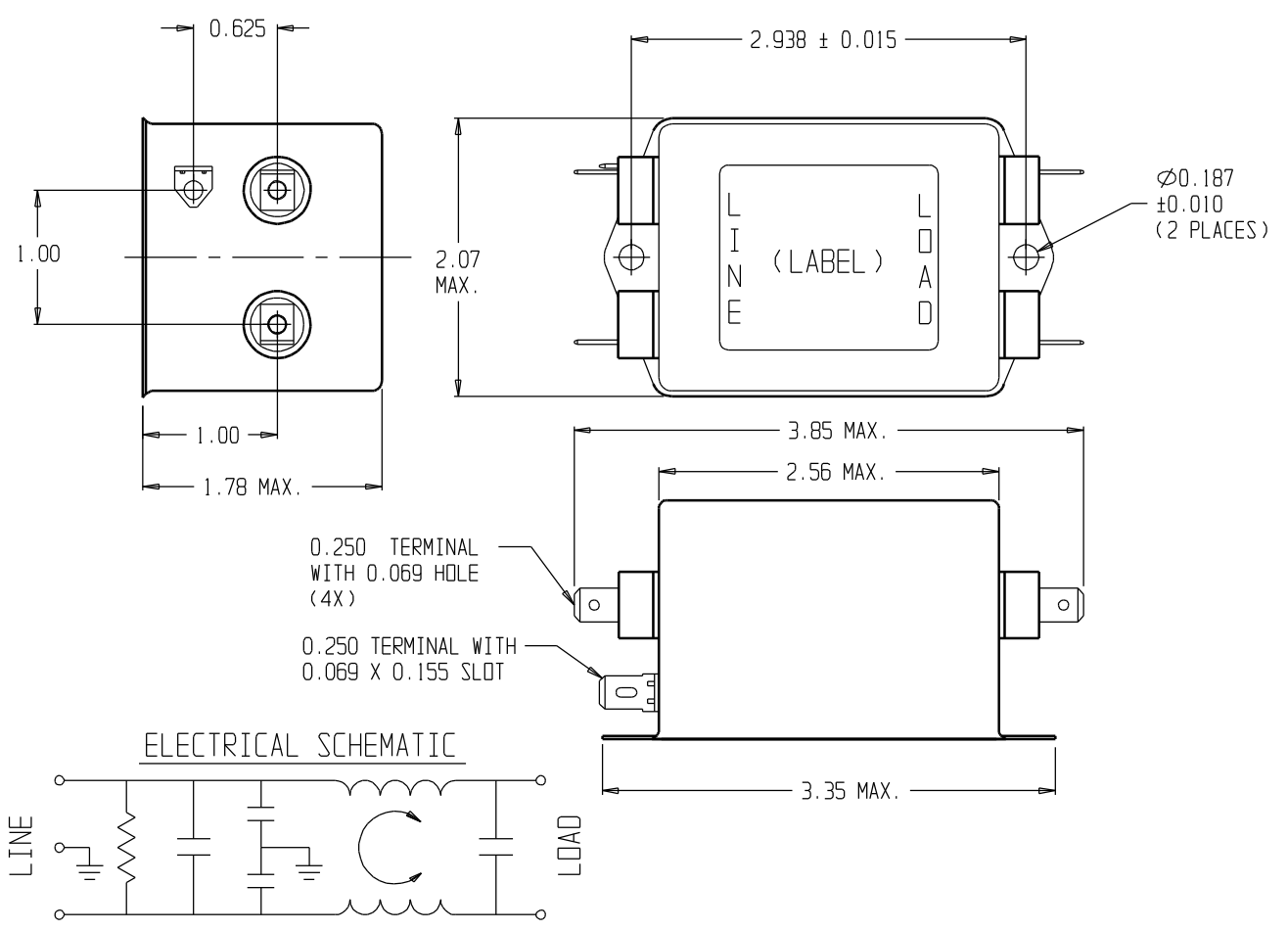
INDUCTANCE: 5.04 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.0044 µF ±20%  
LINE TO LINE: 0.741 µF ±20%  
DISCHARGE RESISTOR: 1.0M Ω  
L/G AND L/L I.R.: 6000M Ω (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 2250 VDC 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.



SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

50Ω - 50Ω (MINIMUM) INSERTION LOSS										THIRD ANGLE PROJECTION		 CORCOM PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060		
FREQUENCY MHz	.05	.10	.15	.50	1.0	2.0	5.0	10	20	30	UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED		POWER LINE FILTER	
COMMON dB	21	28	31	45	43	41	42	42	47	57	THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION. HARRISBURG, PENNSYLVANIA USA		TYCO ELECTRONICS PART NO. 2-1609089-6	
DIFF. dB	15	13	20	61	76	88	70	72	64	50	SCALE: NTS	DATE: 01FEB08	CATALOG NO. 15ERK1	REV. 4
											DRW. BY: JF	ORIG: PJD		