

**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 (TRACEABLE TO F4341)  
 CSA CERTIFIED: CSA 22.2, # 0,0,4,8 (TRACEABLE TO F4341)  
 VDE APPROVED: EN 133 200 (TRACEABLE TO F4341)

**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,  $I_r$ .

IN AN AMBIENT,  $T_a$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , 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  $I_r$  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: 1.0MΩ  
 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: 2250 VDC FOR 1 MINUTE  
 LINE TO LINE: 1450 VDC FOR 1 MINUTE

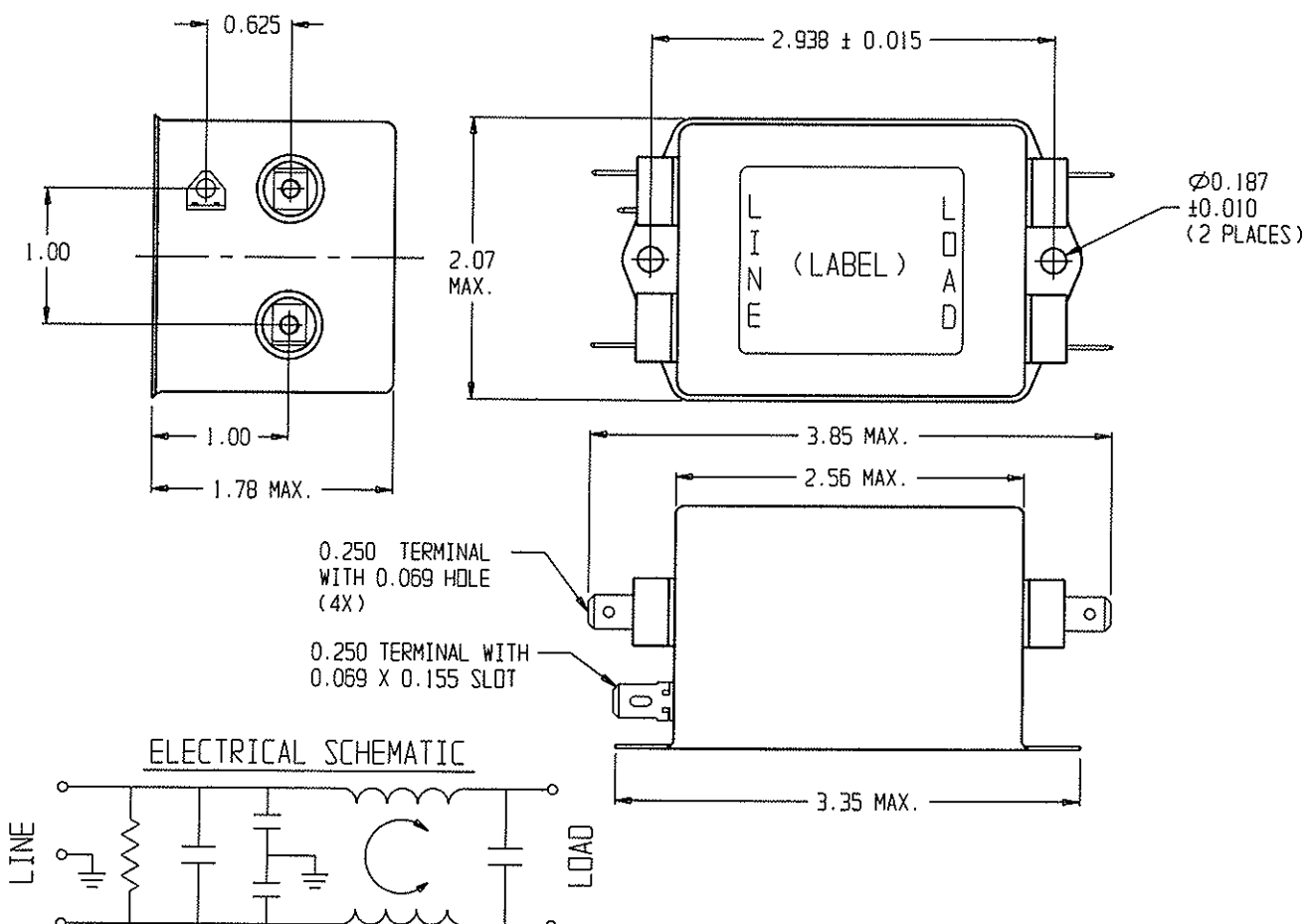
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

**CATALOG # 15VRK1**

EC #	APPRVD.	DATE
07-026900	PJD	13NOV07



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

50Ω - 50Ω (MINIMUM) INSERTION LOSS											THIRD ANGLE PROJECTION		 Tyco Electronics CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MADEIRA 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	CATALOG NO. 15VRK1	REV. 1	
DIFF. dB	15	13	20	61	76	88	70	72	64	50	SCALE: NTS	DATE: 01FEB06	DRW. BY: JF	ORIG: PJD		