

**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 C22.2 No. 8  
 VDE APPROVED: EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 30 AMP/40°C 120/250 VAC, 50-60Hz  
 30 AMP/40°C, 250 VAC, 50-60Hz  
 30 AMP/40°C, 250 VDC

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.75mA @ 120V 60Hz  
 1.25mA @ 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:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

**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: 0.9 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.0199  $\mu$ F±20%  
 LINE TO LINE: 1.005  $\mu$ F±20%  
 DISCHARGE RESISTOR: 330K  $\Omega$   
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000M $\Omega$  (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

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

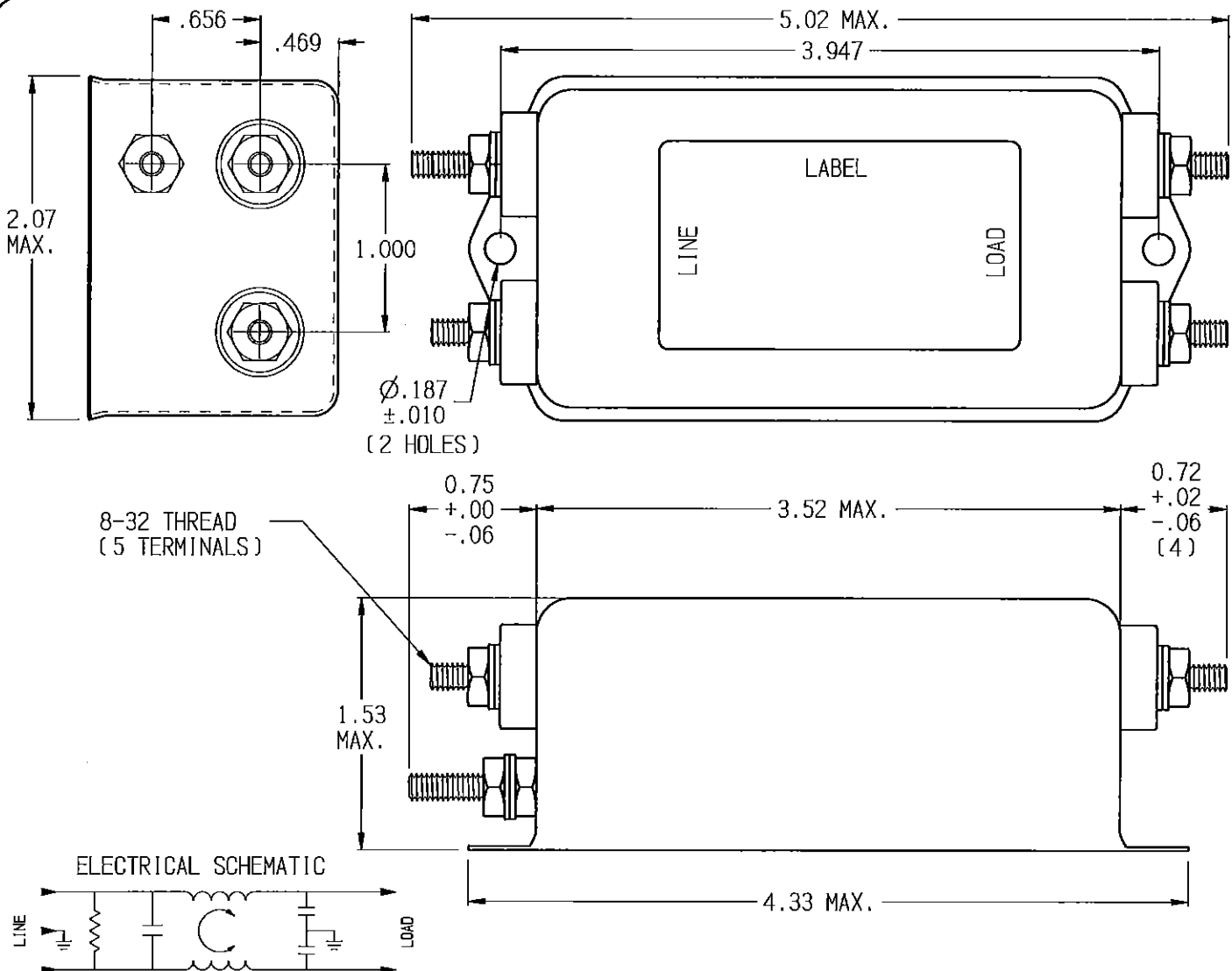
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

30VSB6

ECN#	APPRVD	DATE
	JB	02MAR18

**50  $\Omega$  - 50  $\Omega$  (MINIMUM) INSERTION LOSS**

FREQUENCY MHz	.01	.03	.05	.1	.15	.5	1.0	2.0	5.0	10.0	20.0	30.0
COMMON dB	-	3	6	13	18	37	45	49	51	60	50	42
DIFF. dB	5	15	20	25	29	39	39	56	62	70	70	66

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED  
 TOLERANCE TO BE  $\pm 0.025$   
 MATERIAL & FINISH: AS SUPPLIED

**NOTES:**

TE Connectivity

CORROD PRODUCTS, 620 S. BUTTERFIELD RD., MANDELIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. 2-1609034-2

SCALE: 1:1	DATE: 02MAR18	DRAWING NUMBER: 30VSB6	REV. B
DRW. BY: LJO	CHKD. BY: JB		



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30VSB6-B.cxd

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