

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: 20 AMP/40°C 120/250 VAC, 50-60Hz
 20 AMP/40°C, 250 VAC, 50-60Hz
 20 AMP/40°C, 250 VDC

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND:
 0.22mA @ 120V 60Hz
 0.36mA @ 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: 0.0056 µF±20%
 LINE TO LINE: 1.0014 µF±20%
 DISCHARGE RESISTOR: 330K Ω
 L/C AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000MΩ (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

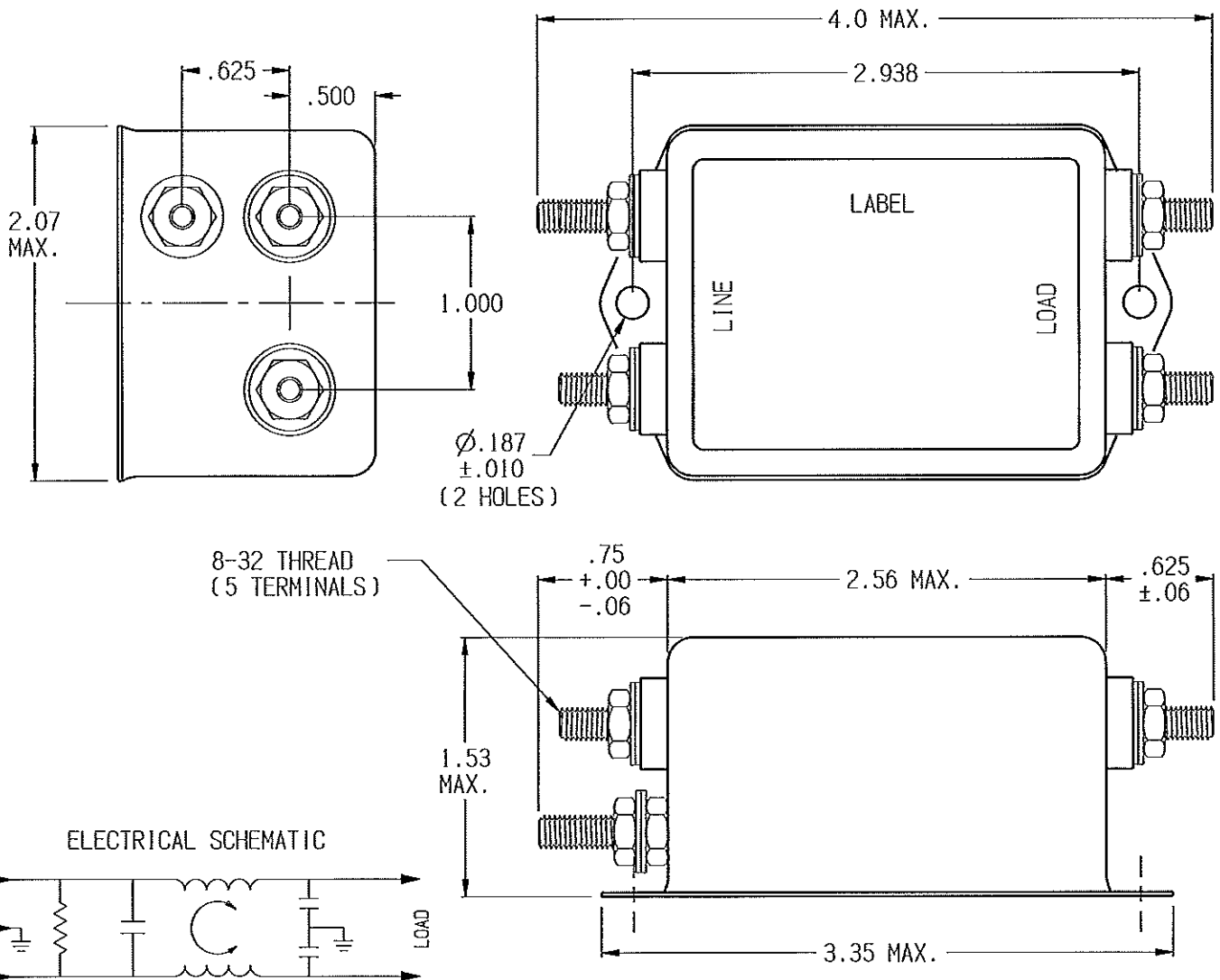
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 20ESB6

ECN#	APPRVD	DATE
10-006843	PJO	07APR10



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS												
FREQUENCY KHz	.01	.03	.05	.1	.15	.5	1.0	2.0	5.0	10.0	30.0	
COEFFICION dB	-	3	7	13	16	30	35	39	40	44	58	46
DIFF. dB	5	15	21	26	29	41	44	48	54	63	70	66

SHEET SIZE: **A** THIRD ANGLE PROJECTION

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PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES
 UNLESS OTHERWISE SPECIFIED
 TOLERANCE TO BE ±0.025
 MATERIAL & FINISH: AS SUPPLIED

Tyco Electronics
 CORCON PRODUCTS, 620 S. BUTTERFIELD RD., HUNDELEIN IL 60060

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 1-1609034-8

SCALE: 1:1	DATE: 23NOV09	DRAWING NUMBER: 20ESB6	REV. A
DRW. BY: LJD	DATE: PJO		

20esb6-A.cxd

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