

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: 10 AMP/40°C 120/250 VAC, 50-60Hz
 10 AMP/40°C, 250 VAC, 50-60Hz
 10 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_0 , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_0 , IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{45}}$$

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: 1.1 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0056 μ F ±20%
 LINE TO LINE: 1.0014 μ F ±20%
 DISCHARGE RESISTOR: 330K Ω
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000M Ω (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

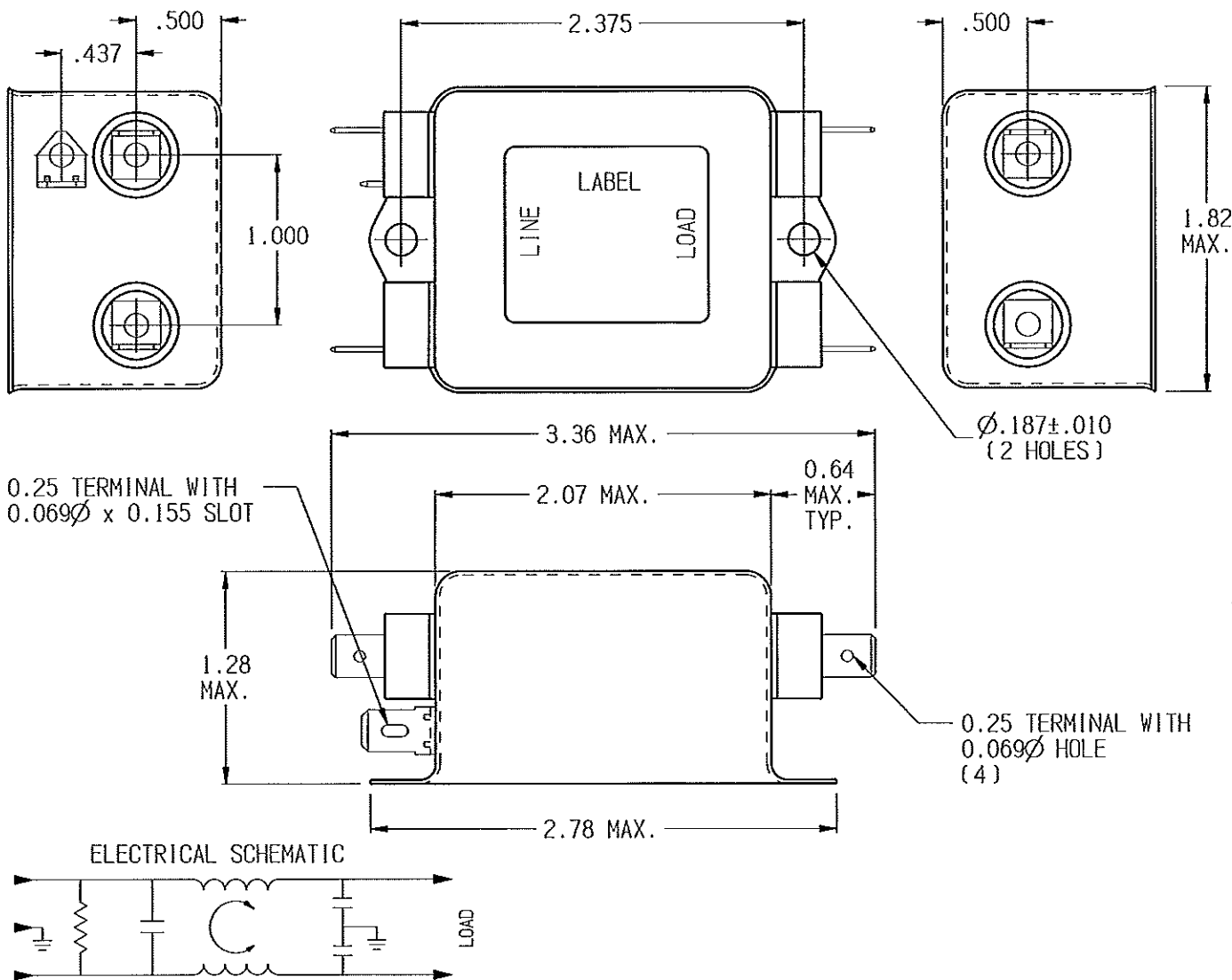
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 10ESB1

ECN#	APPRVD	DATE
10-006843	PJO	06APR10



50 Ω - 50 Ω (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	9	15	19	31	39	41	44	47	54	51
DIFF. dB	5	15	20	26	29	41	47	50	54	64	74	74
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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
 CORDON PRODUCTS, 620 S. BUTTERFIELD RD. HUNDELEIN, IL 60060

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 1-1609034-3

SCALE: 1:1	DATE: 23NOV09	DRAWING NUMBER: 10ESB1	REV. A
DRW. BY: LJO	DTG: PJO		

10ESB1-A.ekd