

CATALOG # 20EP1

ECO #	APPRVD.	DATE
	PJO	30DEC08

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, # 8
VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 20 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.21mA @ 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:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{60}}$$

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:

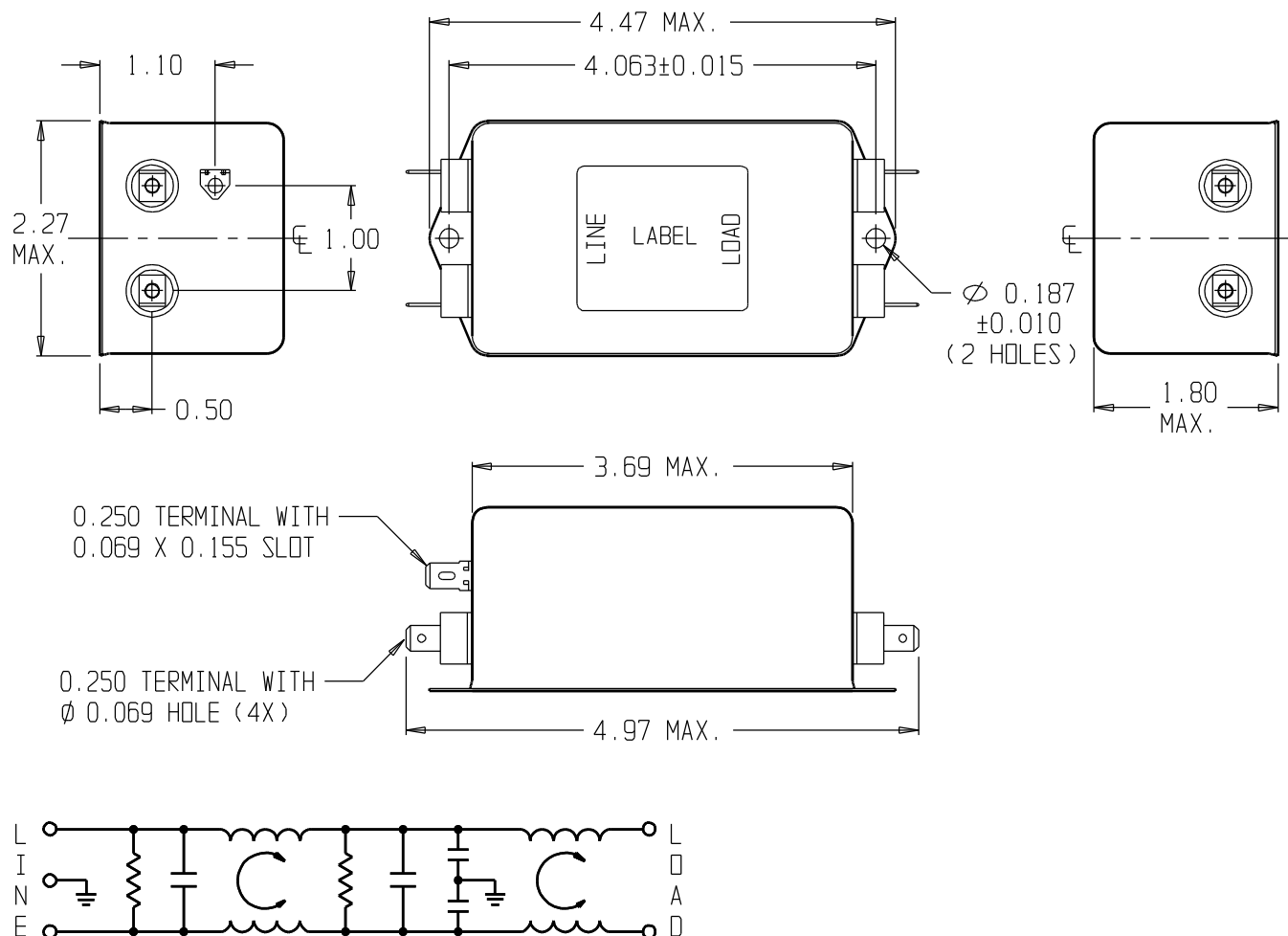
INDUCTANCE: 4.56mH NOMINAL
CAPACITANCE: (MEASURED @ 1kHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0056µF ±20%
LINE TO LINE: 2.0014µF ±20%
DISCHARGE RESISTOR: 165KΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

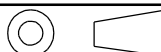
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	0.01	0.04	0.05	0.09	0.15	0.50	1.0	5.0	10	20	30
COMMON dB	3	6	6		28	50	55	60	55	55	55
DIFF. dB	8			17	25	60	65	60	58	58	58

THIRD ANGLE
PROJECTION



UNLESS OTHERWISE SPECIFIED,
TOLERANCE TO BE ±.025
MATERIAL & FINISH: AS SUPPLIED

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CUSTOMER DRAWING

TYCO ELECTRONICS PART NO.	0-6609037-9	REV.	A
SCALE: NTS	DATE: 30DEC08	CATALOG NO.	20EP1
DRW. BY: PJO	DRIG: PJO		