

CATALOG # 20EP6

ECN #	APPRVD.	DATE
	PJD	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: EN60939-2

OPERATING SPECIFICATIONS

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

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND: 0.21 mA @ 120V 60Hz
 0.36 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, 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:

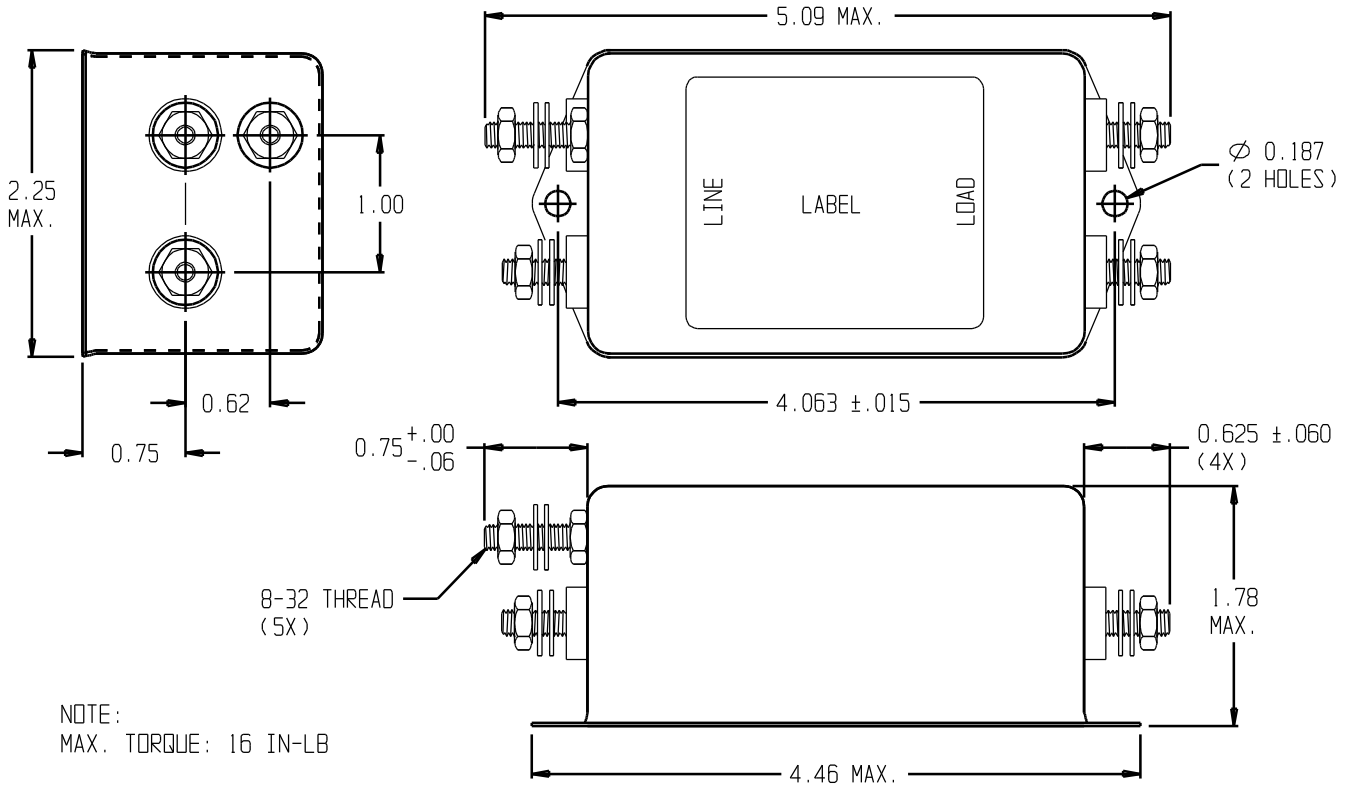
INDUCTANCE: 4.56 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0056 μF ±20%
 LINE TO LINE: 2.0014 μF ±20%
 DISCHARGE RESISTOR: 165K Ω
 L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

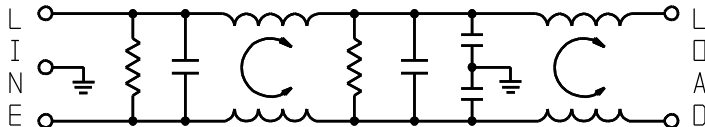
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
 LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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



NOTE:
 MAX. TORQUE: 16 IN-LB



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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 HARRISBURG, PENNSYLVANIA USA

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

CUSTOMER DRAWING

TYCO ELECTRONICS PART NO. 1-6609037-0

SCALE: NTS DATE: 30DEC08 CATALOG NO. 20EP6 REV. A

DRW. BY: PJD DRG: PJD