

**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: VDE EN60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 60 AMP, 120/250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.75 mA @ 120V 60Hz  
 1.25mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>.

IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, 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<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 0.27 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.02 μF±20%  
 LINE TO LINE: 1.475 μF±20%  
 DISCHARGE RESISTOR: 330k Ω  
 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

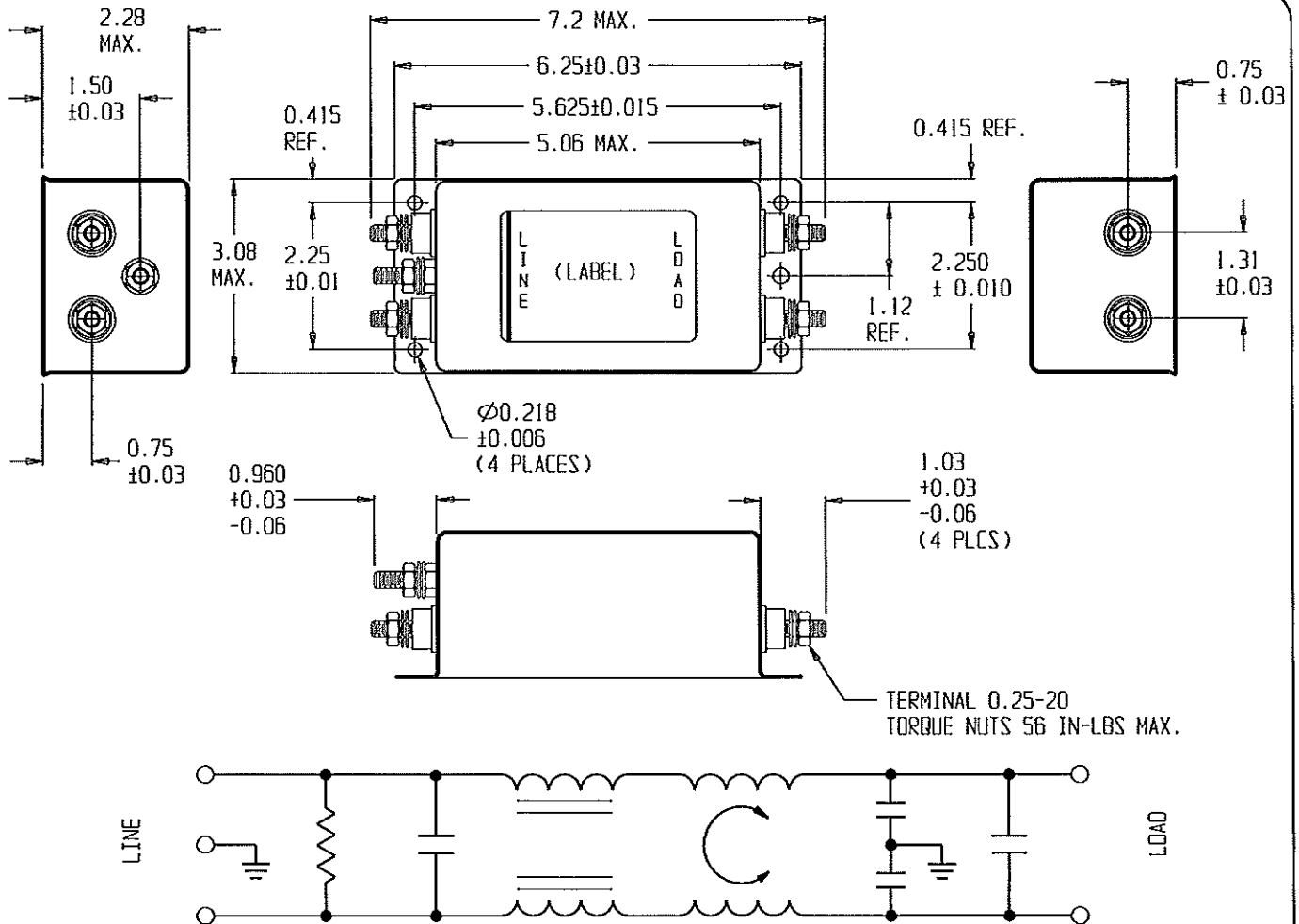
**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

**CATALOG # 60VS6**

ECN #	APPRVD.	DATE
	PJO	30SEP09



TERMINAL 0.25-20 TORQUE NUTS S6 IN-LBS MAX.

SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

**50Ω - 50Ω (MINIMUM) INSERTION LOSS**

FREQUENCY MHz	.01	.05	.09	.1	.15	.5	1	2	5	10	20	30
COMMON dB	-	-	-	3	7	27	34	38	45	54	44	40
DIFF. dB	8	20	7	14	37	77	93	86	70	54	64	54

THIRD ANGLE PROJECTION

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

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**Tyco Electronics**  
 CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUMBLETON IL 60090

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. : 0-1609042-6

SCALE: NTS	DATE: 9-29-03	CATALOG NO.	REV.
DRW. BY: SD	DRTG: PJO	<b>60VS6</b>	<b>3</b>