

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_r .

IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

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: 0.27 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.02 μ F±20%
LINE TO LINE: 1.475 μ F±20%
DISCHARGE RESISTOR: 330k Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 600M Ω (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

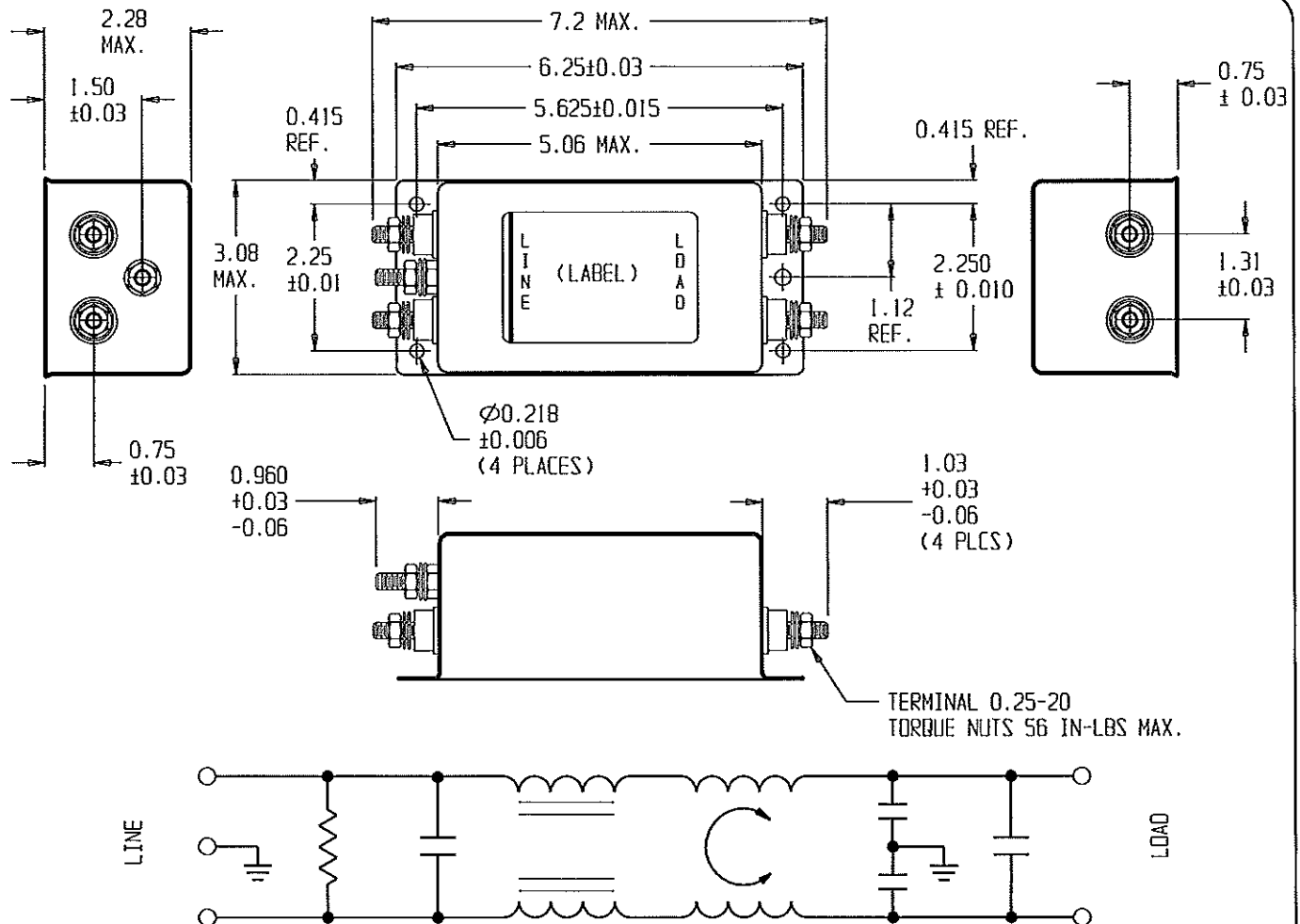
FILTER APPROVAL:

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 #	APPROV.	DATE
	PJD	30SEP09



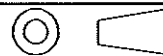
TERMINAL 0.25-20
TORQUE NUTS 56 IN-LBS MAX.

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

50~ 50 (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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HARRISBURG, PENNSYLVANIA USA



Tyco Electronics

CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUMKIN 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: PJD	60VS6	3

Mouser Electronics

Authorized Distributor

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[1609042-6](#)