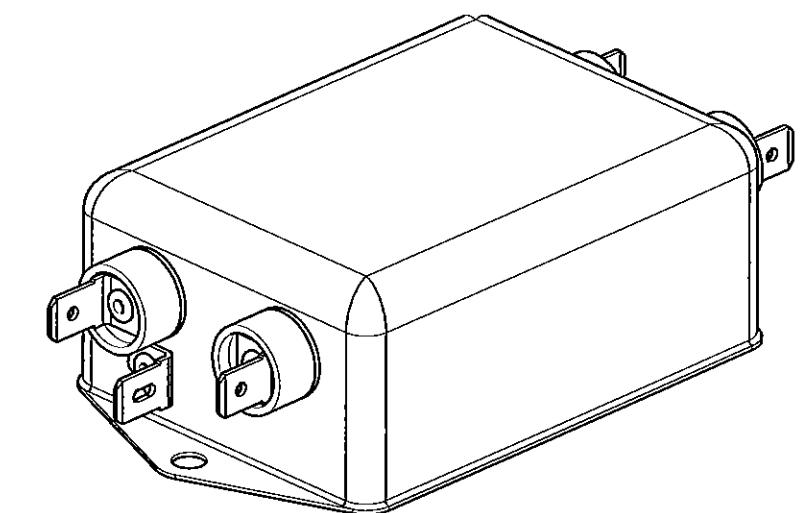
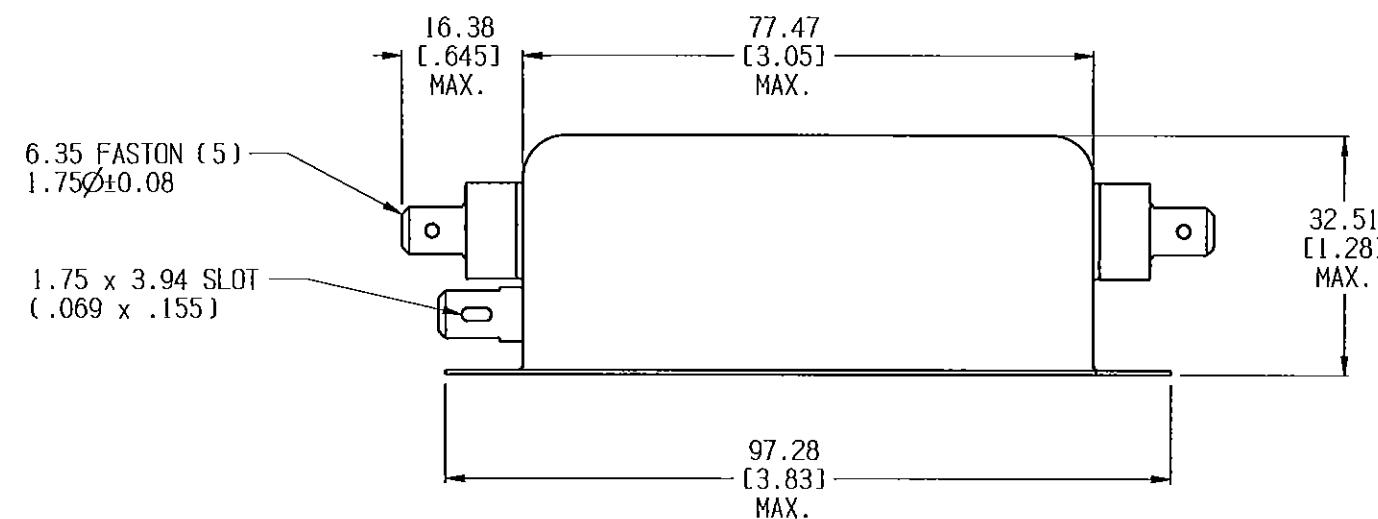
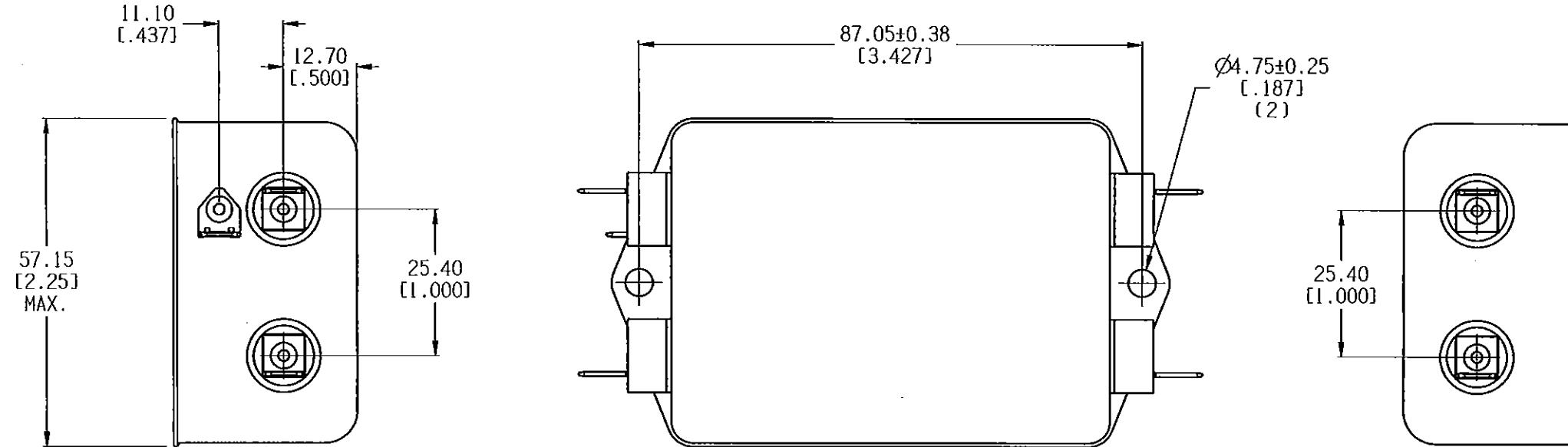


6ESK1			
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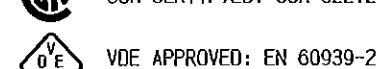


#### SAFETY ORGANIZATIONS

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:



CSA CERTIFIED: CSA C22.2 No. 8



#### 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

#### RECOMMENDED RECEIVING INSPECTION HIPO:

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.

#### OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 6 AMP. 120/250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND:

.25mA @ 120V, 60Hz  
.48mA @ 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:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

#### TEST SPECIFICATIONS:

INDUCTANCE: 8.73 mH NOMINAL

CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)

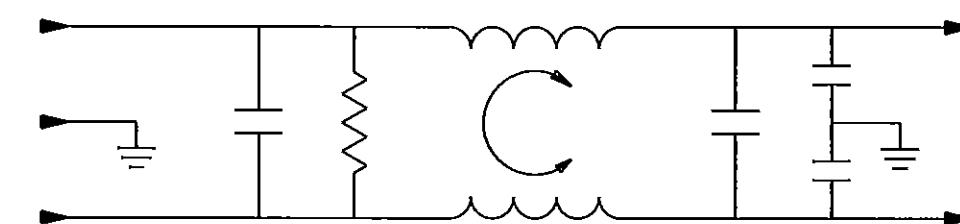
LINE TO GROUND: .006  $\mu$ F ±20%

LINE TO LINE: .54  $\mu$ F ±20%

DISCHARGE RESISTOR: 330 K $\Omega$

L/G AND L/L I.R.

NO DISCHARGE RESISTOR: 6000M  $\Omega$  (MIN.) @ 100VDC,  
20°C AND 50% RH



#### 50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.02	.05	.08	.15	.5	1	5	10	20	30	/
COMMON dB	7	13	21	25	32	44	45	45	45	38	27	/
DIFF. dB	1	1	2	3	25	59	65	65	65	50	50	/

NOTE: SHEET SIZE THIRD ANGLE PROJECTION  
B D C  
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HARRISBURG, PENNSYLVANIA USA.

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES  
UNLESS OTHERWISE SPECIFIED  
TOLERANCE TO BE ±0.63  
MATERIAL & FINISH: AS SUPPLIED

**TE** TE Connectivity

#### CUSTOMER DRAWING

DIMENSIONS IN MILLIMETERS	TE PART NO:	6609036-5
SCALE: 1:1	DATE: 12SEP89	DRAWING NUMBER: 6ESK1
DRW. BY: LJD	DRG: CFW	REV. H

# Mouser Electronics

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