

# 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 22.2, #8
- VDE APPROVED: VDE 565-3

# OPERATING SPECIFICATIONS

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

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.40 mA @ 120V 60Hz  
0.70 mA @ 250V 50Hz

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

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

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

# 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: 0.59 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.011 μF±20%  
LINE TO LINE: 0.943 μF±20%  
DISCHARGE RESISTOR: 235K Ω  
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,  
20°C AND 50% RH

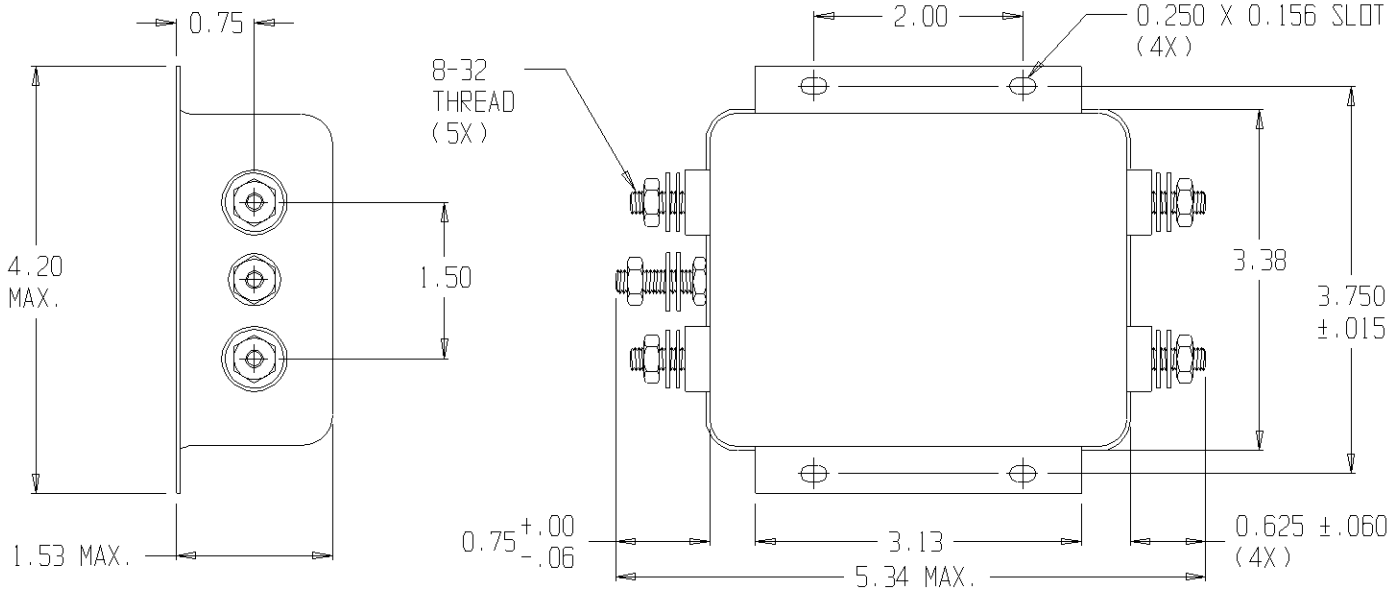
# RECOMMENDED RECEIVING INSPECTION HIPOT:

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

# FILTER APPROVAL:

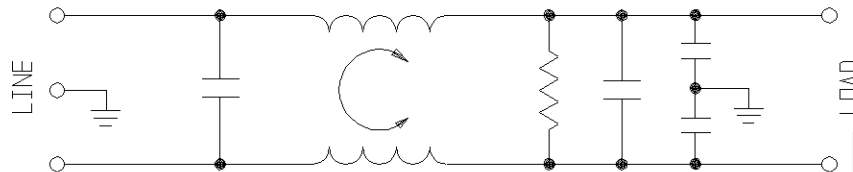
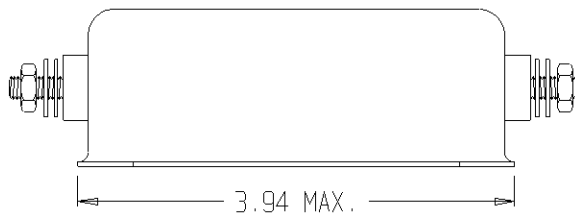
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CATALOG # 40VK6		
ECN #	APPRVD.	DATE
ECO-09-026495	AEG	15DEC09



NOTE:  
TORQUE: 18 ± 2 in.lb.

**1** OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



**2-1609028-3** OBSOLETE **2-6609028-3**

50Ω - 50Ω (MINIMUM) INSERTION LOSS										
FREQUENCY MHz	.15	.5	1	2	5	10	20	30		
COMMON dB	9	24	29	29	39	44	44	34		
DIFF. dB	6	52	69	70	70	60	53	53		

THIRD ANGLE PROJECTION   
UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED  
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**corcom**  
844 E. ROCKLAND RD. LIBERTYVILLE IL 60048

**POWER LINE FILTER**

CAD FILE: G:\CD\40VK600	A
SCALE: NTS	REV.
DATE: 10/10/97	
DRW. BY: JF	
ORIG: KAW	
CATALOG NO. 40VK6	A1

# Mouser Electronics

Authorized Distributor

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