

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: 30 AMP, 120/250 VAC,
25 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_r .

IN AN AMBIENT, T_0 , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_0 , IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{45}}$$

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: 0.69 mH NOMINAL
GROUND CHOKE: 0.378 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.011 μ F±20%
LINE TO LINE: 0.943 μ F±20%
DISCHARGE RESISTOR: 235K Ω
L/G AND L/L I.R.:
NO DISCHARGE RESISTOR: 600M Ω (MIN.) @ 100VDC,
20°C AND 50% RH

CATALOG # 30VK6C

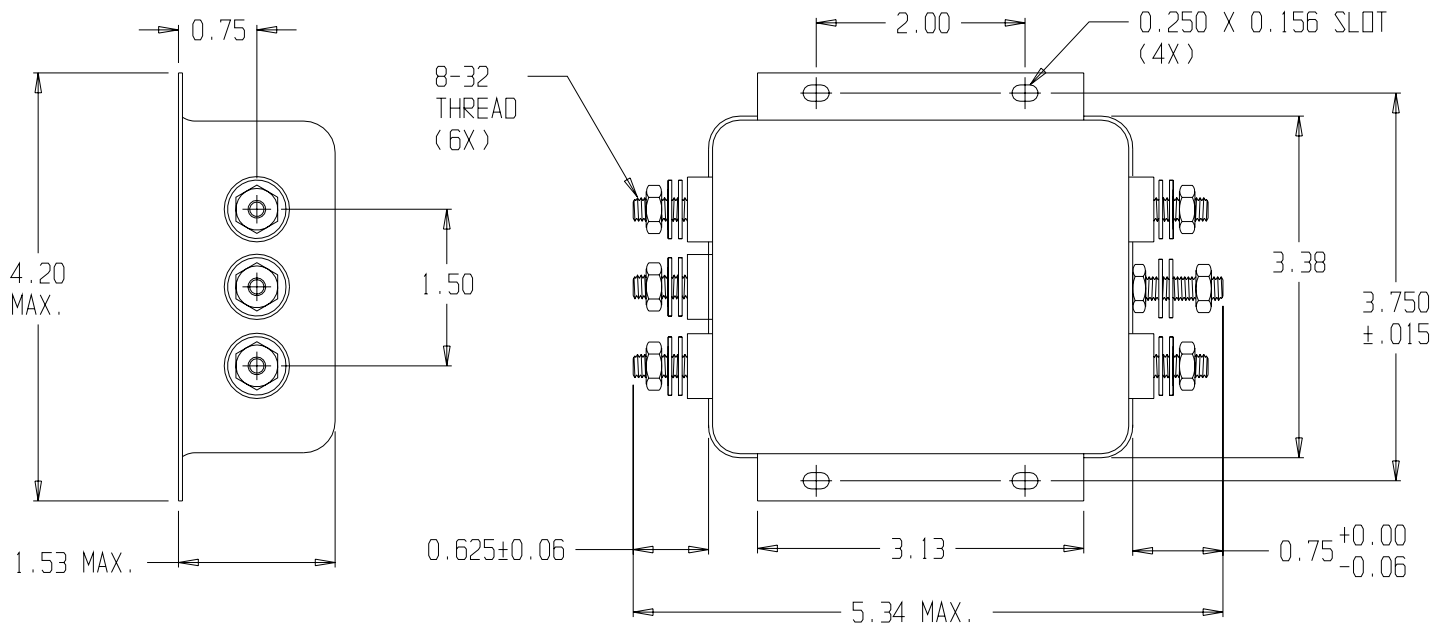
ECN #	APPRVD.	DATE

RECOMMENDED RECEIVING INSPECTION HIPOT:

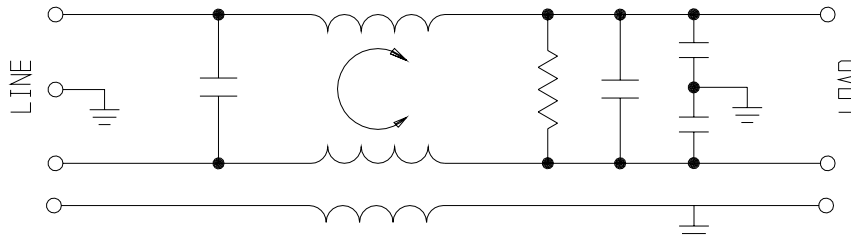
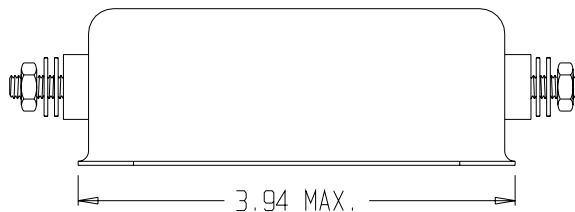
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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



NOTE:
TORQUE: 18 ± 2 in.lb.



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.5	1	2	5	10	20	30						
COMMON dB	12	26	38	38	46	50	52	50						
DIFF. dB	2	40	60	65	65	57	57	57						

THIRD ANGLE PROJECTION

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

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POWER LINE FILTER

CAD FILE: G:\CD\30VK6C00	DATE: 10/10/97	CATALOG NO. 30VK6C	A REV. 0
SCALE: NTS	DRW. BY: JF	DRIG: KAW	

Mouser Electronics

Authorized Distributor

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[30VK6C](#)