

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
 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: 6000M Ω (MIN.) @ 100VDC,
 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

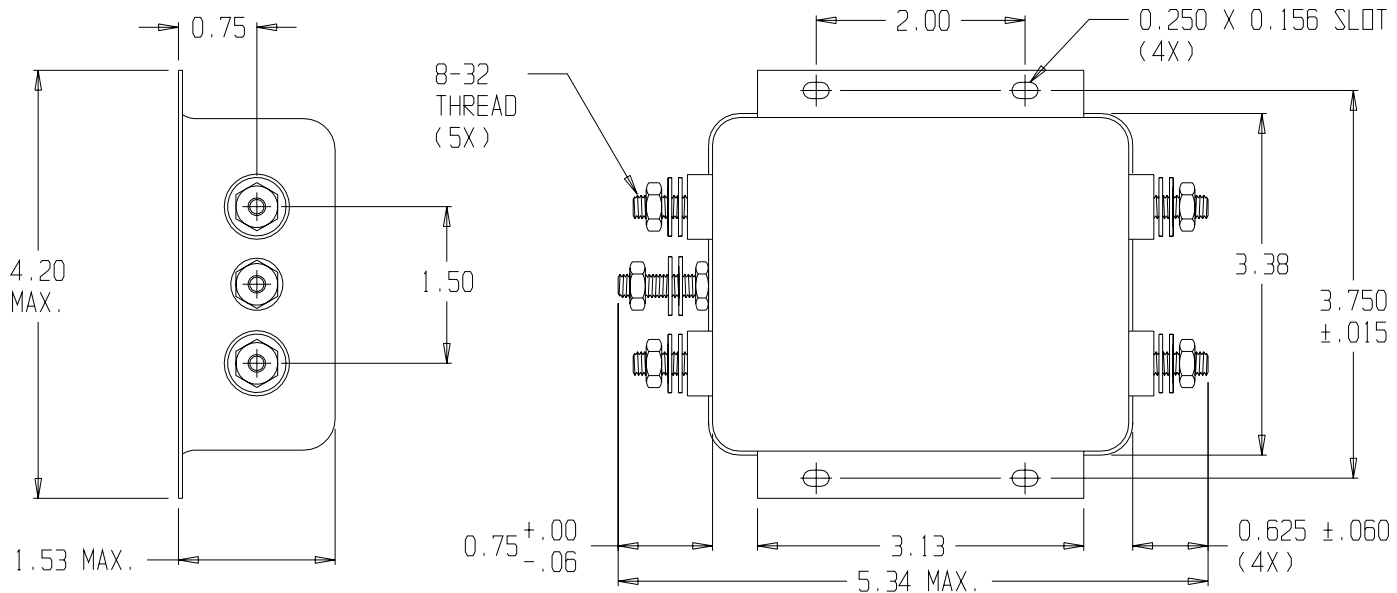
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
 LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

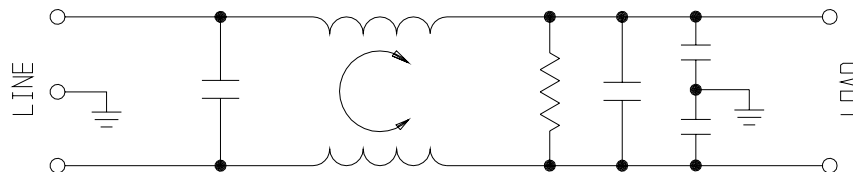
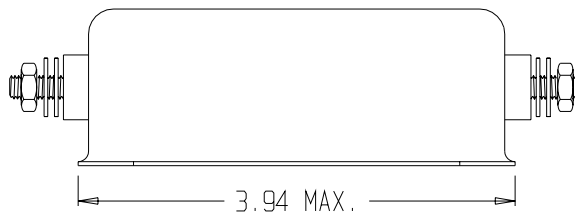
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CATALOG # 30VK6

ECN # APPRVD. DATE



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\30VK600 | A REV. |
| SCALE: NTS | DATE: 10/10/97 |
| DRW. BY: JF | ORIG: KAW |
| CATALOG NO. 30VK6 | 0 |