

# 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 ULI283  
 CSA CERTIFIED CSA 22.2, NO. 0,0.4,8  
 VDE APPROVED VDE 565-3

LINE VOLTAGE/CURRENT: 6 AMP, 120/250 VAC  
 5 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

# OPERATING SPECIFICATIONS

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.30 mA @ 120V 60Hz  
 0.50 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT,  $I_r$

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

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

# RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH.  
 CURRENT OVERLOAD TEST: 6 TIMES RATED CURRENT FOR 8 SECONDS.

# TEST SPECIFICATIONS:

INDUCTANCE: 18.5mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.008 µF ±20%  
 LINE TO LINE: 0.94 µF ±20%  
 DISCHARGE RESISTOR: 330KΩ  
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,  
 20°C AND 50% RH

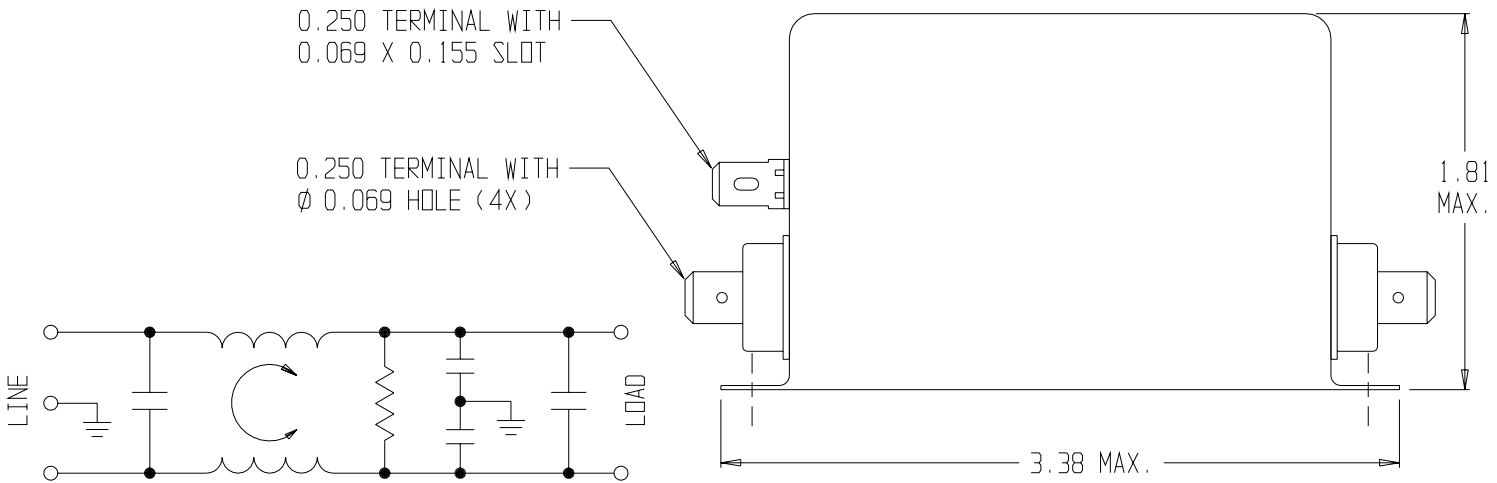
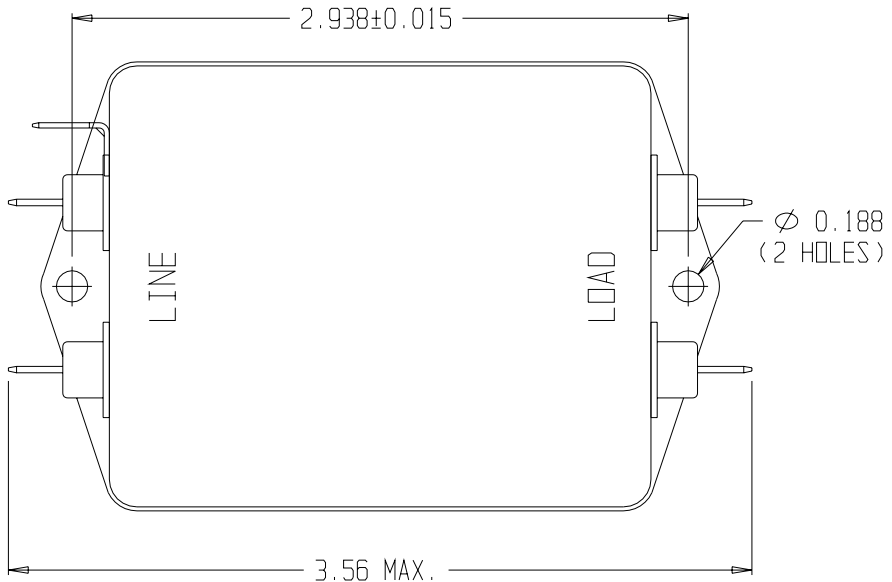
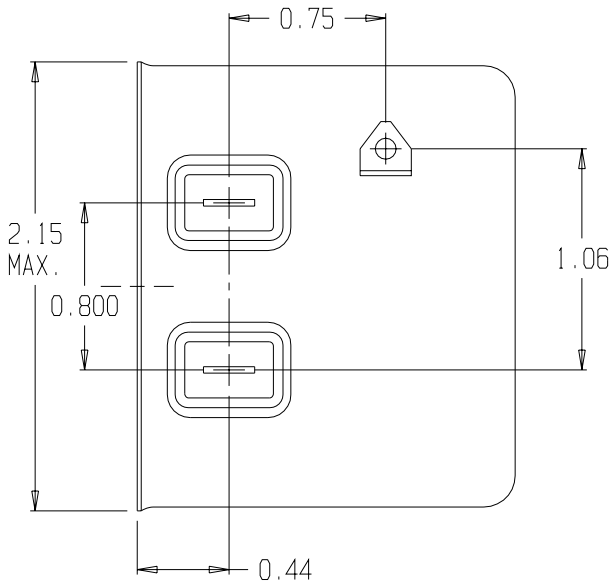
# RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 2250 VDC 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.

CATALOG # 6ET1		
ECN #	APPRVD.	DATE
/		



50Ω - 50Ω (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.01	.02	.05	.15	.5	1	2	5	8	10	20	30
COMMON dB	16	26	30	41	47	44	43	43	40	40	42	42
DIFF. dB	4	2	14	51	70	70	70	65	50	47	50	55

THIRD ANGLE PROJECTION

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

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844 E. ROCKLAND RD. LIBERTYVILLE IL 60048

## POWER LINE FILTER

CAD FILE: C:\CK\CD\6ET106	DATE: 9/9/02	CATALOG NO. 6ET1	REV. 6
SCALE: NTS	DRW. BY: JF	ORIG: KAW	