

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

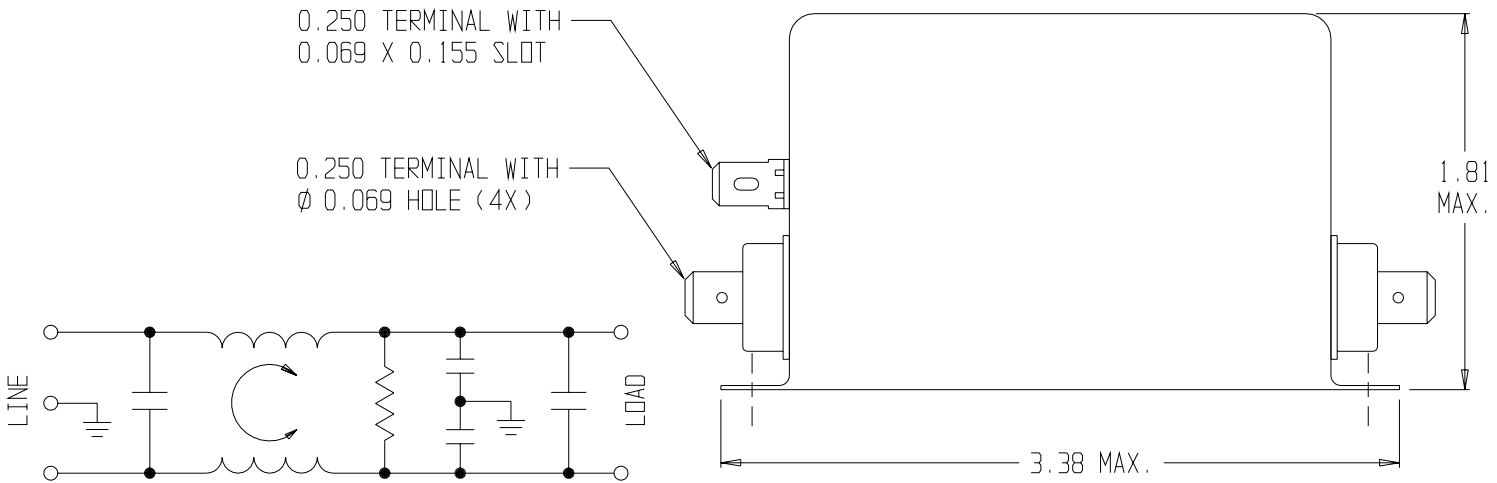
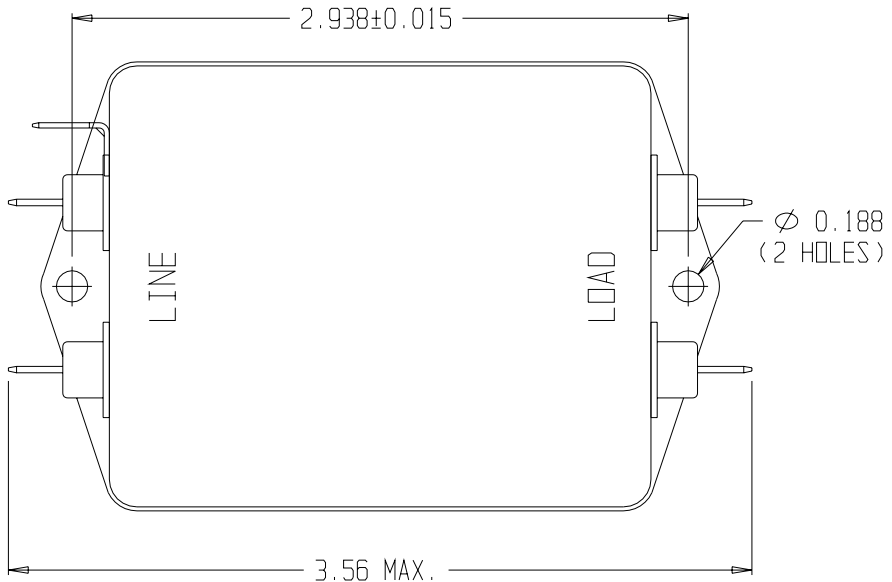
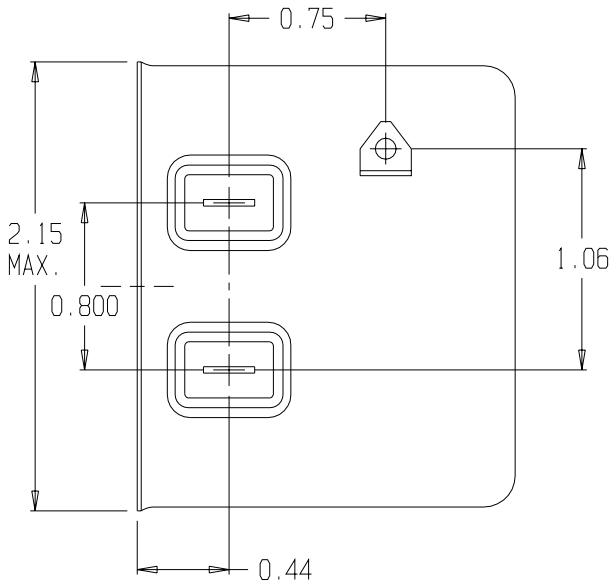
RECOMMENDED RECEIVING INSPECTION HIPOT:

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	

Mouser Electronics

Authorized Distributor

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