

**SAFETY ORGANIZATION(S) :**

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  
CSA CERTIFIED  
VDE APPROVED  
SEV PENDING

UL 544  
CSA 22.2, NO.0,0.4,8  
VDE 0565-3

**OPERATING SPECIFICATIONS:**

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

LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH: 2 µA at 120V 60Hz  
LINE TO GROUND: 5 µA at 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 RATED CURRENT FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 18.5 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)

LINE TO LINE: .94 µF ±20%  
DISCHARGE RESISTOR: 330 KΩ

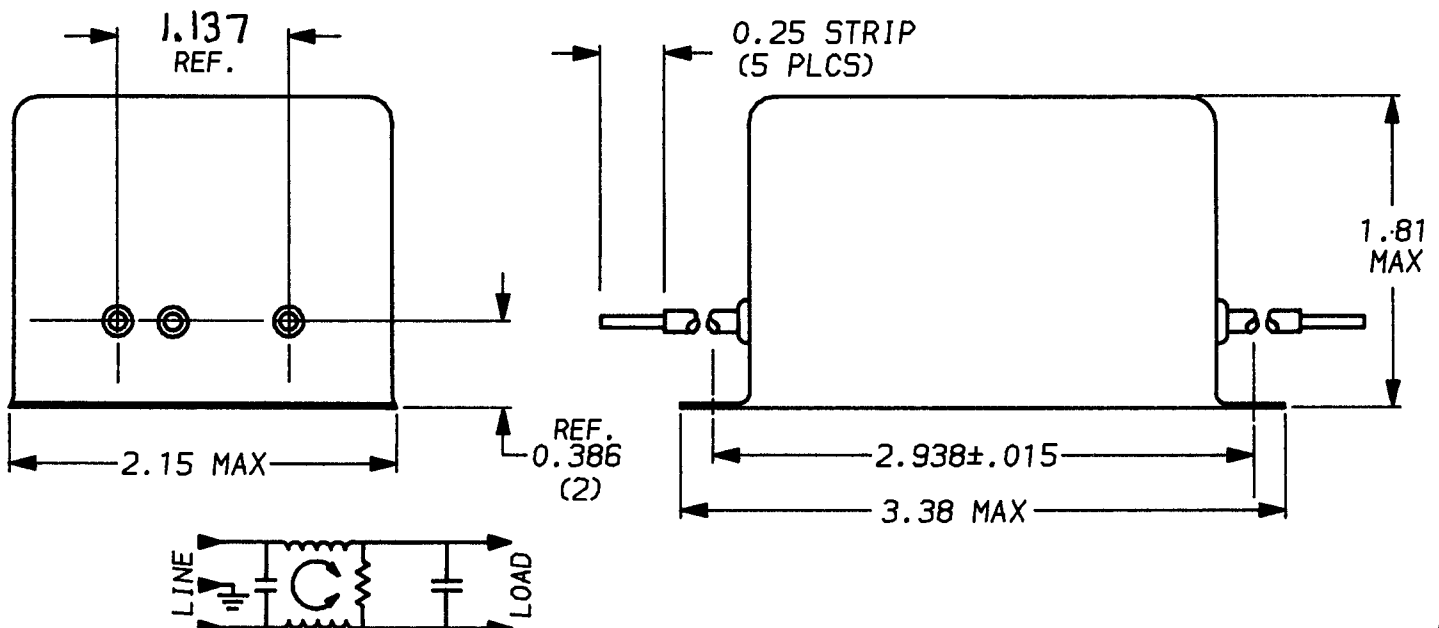
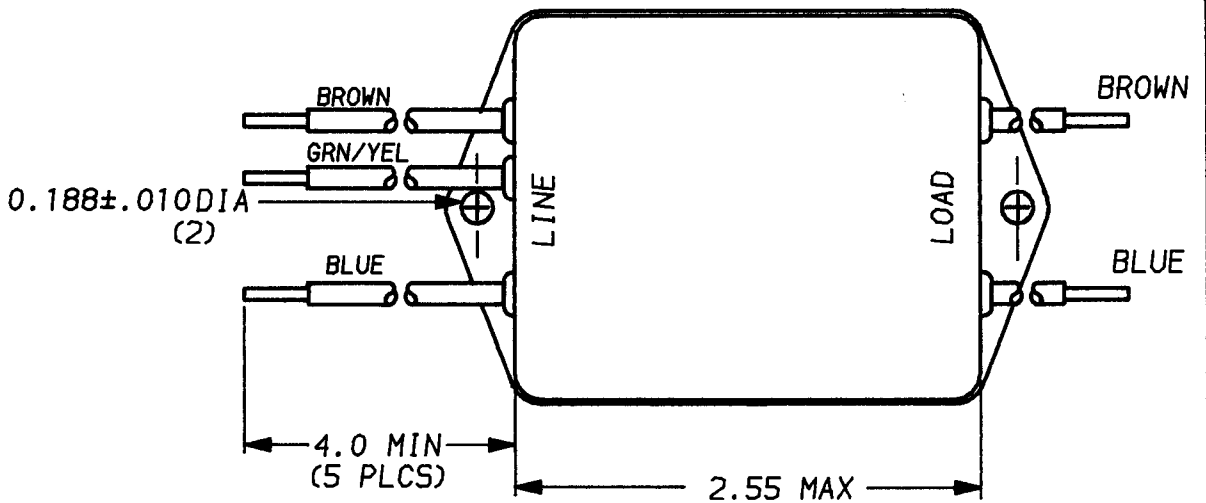
LINE/GROUND AND LINE/LINE: 6000Ω (MIN) AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINES 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.



**50a - 50a (MINIMUM) INSERTION LOSS**

FREQUENCY Hz	.01	.03	.05	.07	.15	.3	.5	1	2	5	8	10	20	30	/
COMMON dB	16	26	33	38	46	46	41	33	25	15	11	9	5	2	/
DIFF. dB	4	2	14	30	51	62	70	70	65	55	50	47	37	37	/

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



POWER LINE FILTER

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DATE: 10-5-93

CATALOG NO.

APPROVAL: TAM

6EHT3

CAD NO.

6EHT3.02

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