

6EHT1

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:
LINE TO GROUND: 2 μ A at 120V 60Hz
5 μ A at 250V 50Hz

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

IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o , 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 μ F ±20%
DISCHARGE RESISTOR: 330K Ω

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

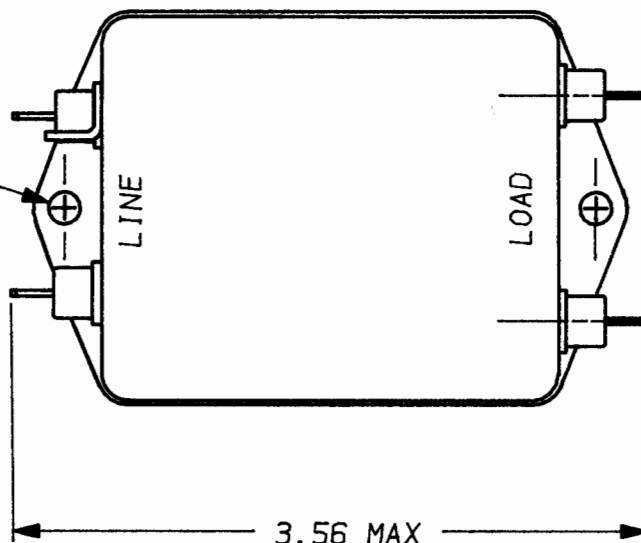
RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 2250 VDC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

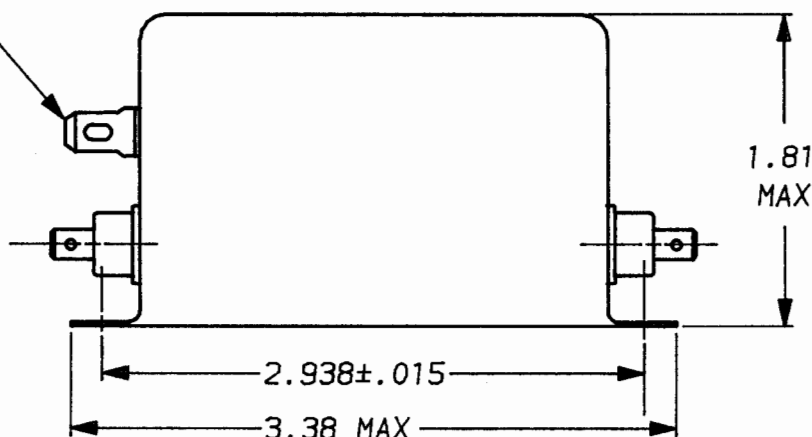
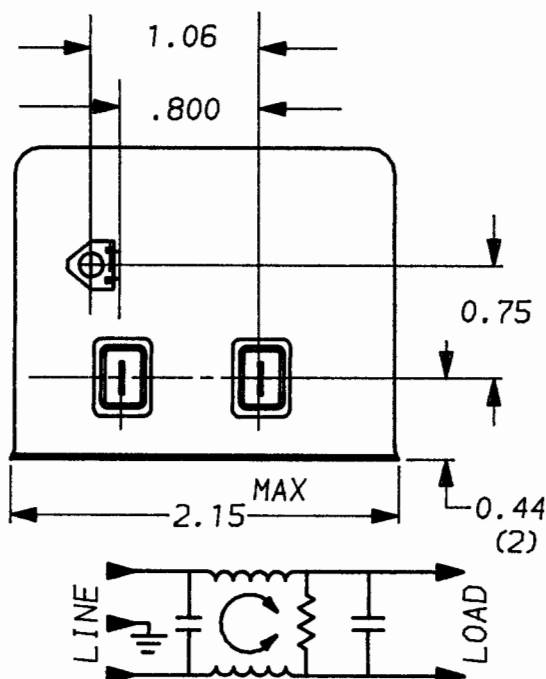
FILTER APPROVAL:

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

0.187±.010 DIA
(2)



0.069 X 0.155 SLOT

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.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	20	29	51	62	70	70	65	55	50	47	37	37	/

UNLESS OTHERWISE SPECIFIED,

TOLERANCE TO BE ±.025

MATERIAL & FINISH: AS SUPPLIED

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corcom
LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 10-5-93

CATALOG NO.

APPROV.

TAM

6EHT1

ECO NO.

6EHT1.02

Mouser Electronics

Authorized Distributor

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