

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

UL RECOGNIZED
 CSA CERTIFIED
 VDE APPROVED
 SEV APPROVAL PENDING

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:
 10 AMP., 120/250 VAC
 8 AMP./40°C, 250 VAC

LINE FREQUENCY:
 50-60Hz
 MAX. LEAKAGE CURRENT, EACH
 LINE TO GROUND
 2µA @ 120V 60HZ
 5µA @ 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:
 -25°C TO +85°C
 HUMIDITY:
 21 DAYS @ 40°C 95% RH
 CURRENT OVERLOAD TEST:
 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE:
 L-9.5mH NOMINAL
 N-9.57mH NOMINAL
 CAPACITANCE, (MEASURED @ 1 KHZ, 0.25 VAC MAX., 25°C ±1°C)
 1.77µF ±20%

DISCHARGE RESISTOR:
 165KΩ
 LINE/GROUND AND LINE/LINE
 INSULATION RESISTANCE
 6000 MΩ (MIN) AT 100 VDC
 20°C AND 50% RH
 (W/O DISCHARGE RESISTOR)

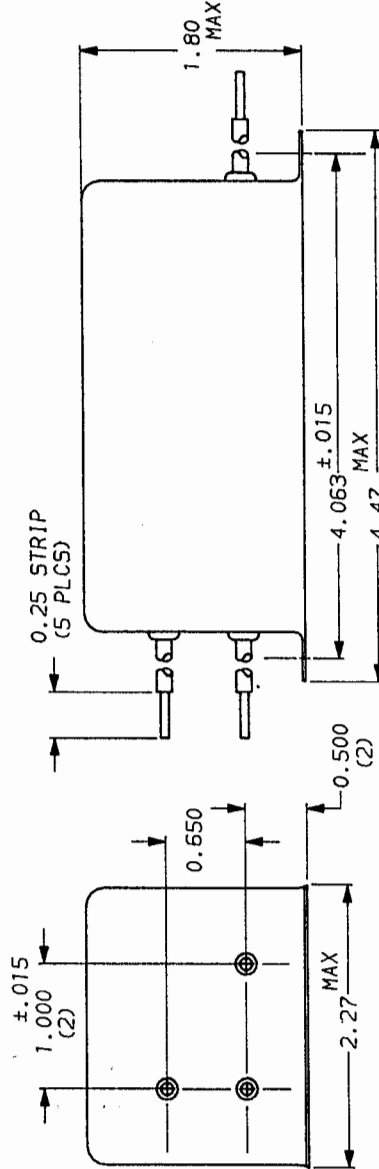
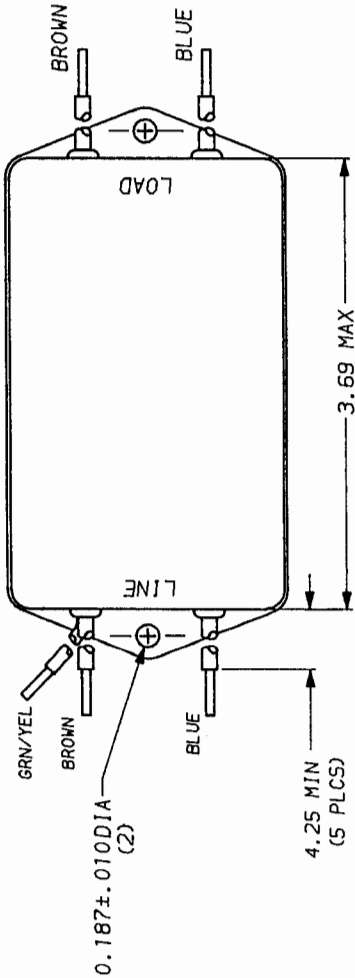
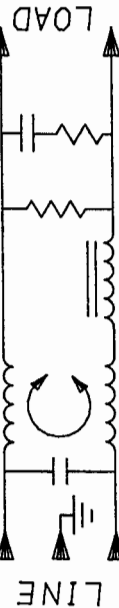
RECOMMENDED RECEIVING INSPECTION HIPOT:

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.

50n - 50n (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.01	.02	.05	.15	.50	1	2	5	8	10	20	30
COMMON dB	9	15	24	36	42	34	22	11	14	12	8	8
DIFF. dB	7	8	17	52	70	70	65	65	55	40	35	

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 LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE: NTS 7-21-92 DRG. NO. 10EHT3.01
 DESIGNED BY: CFW
 DRAWN BY: CFW

TOLERANCE EXCEPT AS NOTED
 DECIMAL: .XXX .XX .X ANGLES
 ENGLISH: ±.025
 METRIC: ±
 MATERIAL: AS SUPPLIED
 FINISH:

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[10EHT3](#)