

3EQ1

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 APPROVED

UL 1283
CSA 22.2, NO.0,0.4,8
VDE 565-3
SEV 1055/TP1977/5.1.1

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 3 AMP, 120/250 VAC
2 AMP./40°C, 250 VAC
LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH:
LINE TO GROUND: .25 mA at 120V 60Hz
.42 mA 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:

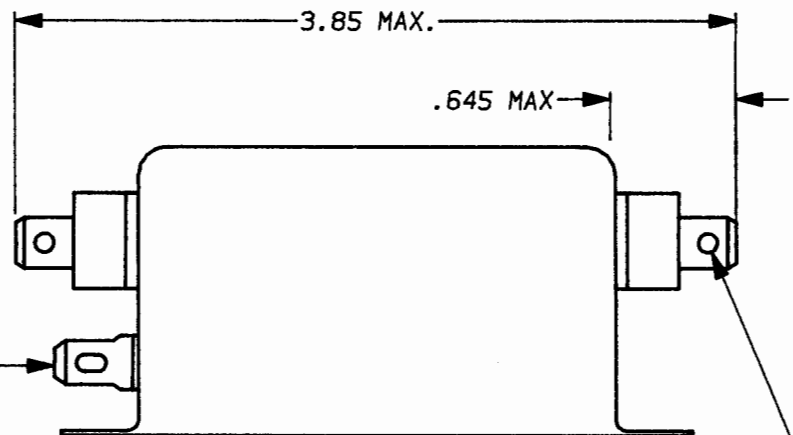
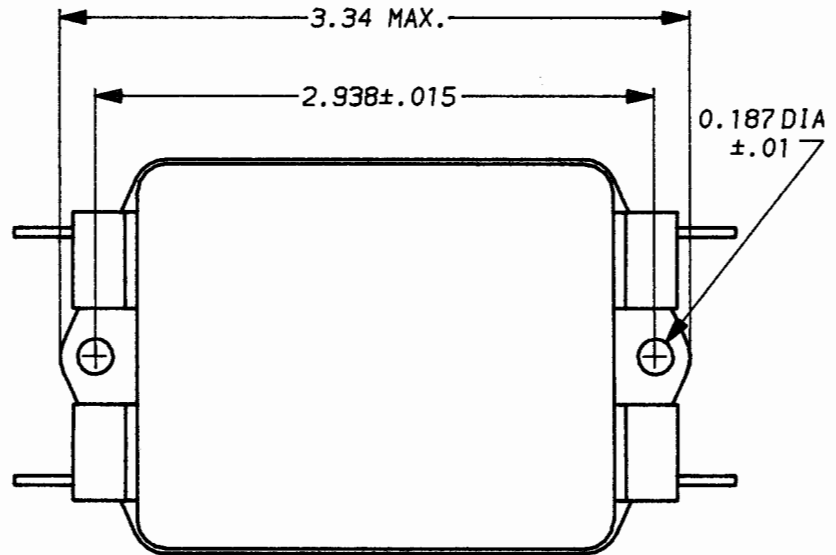
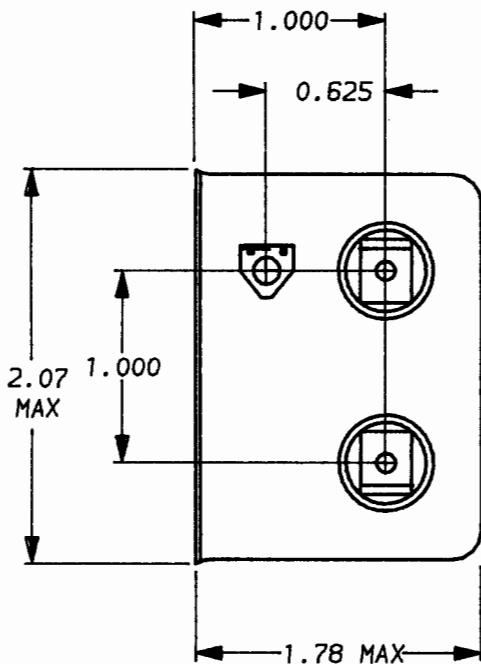
INDUCTANCE: 32.18 mH NOMINAL
CAPACITANCE, MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)
LINE TO GROUND: .006 μF ±20%
LINE TO LINE: 1.08 μF ±20%
DISCHARGE RESISTOR: 270KΩ
LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC
INSULATION RESISTANCE: 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

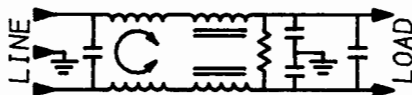
LINES TO GROUND: 2250 VDC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

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



.250 FASTONS (5 PLACES)



50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | .01 | .015 | .02 | .05 | .15 | .5 | 1 | 2 | 5 | 10 | 20 | 30 |
|---------------|-----|------|-----|-----|-----|----|----|----|----|----|----|----|
| COMMON dB | 22 | 25 | 27 | 36 | 47 | 47 | 43 | 44 | 45 | 45 | 45 | 45 |
| DIFF. dB | 1 | 2 | 17 | 42 | 65 | 75 | 75 | 70 | 65 | 65 | 62 | 60 |

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

DATE: 9-30-93

CATALOG NO.

APPROV. TAM

3EQ1

CAD NO.

3EQ1.05

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[3EQ1](#)