

3VQ1

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

UL 1283
CSA 22.2, NO.0,0.4,8
VDE 565-3

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 3 AMP, 120/250 VAC
2 AMP./40°C, 250 VAC

LINE FREQUENCY, 50-60Hz

MAX. LEAKAGE CURRENT, EACH: 1.0 mA AT 120V 60Hz
LINE TO GROUND, 1.25 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, .02 µF ±20%
LINE TO LINE, .94 µF ±20%
DISCHARGE RESISTOR:

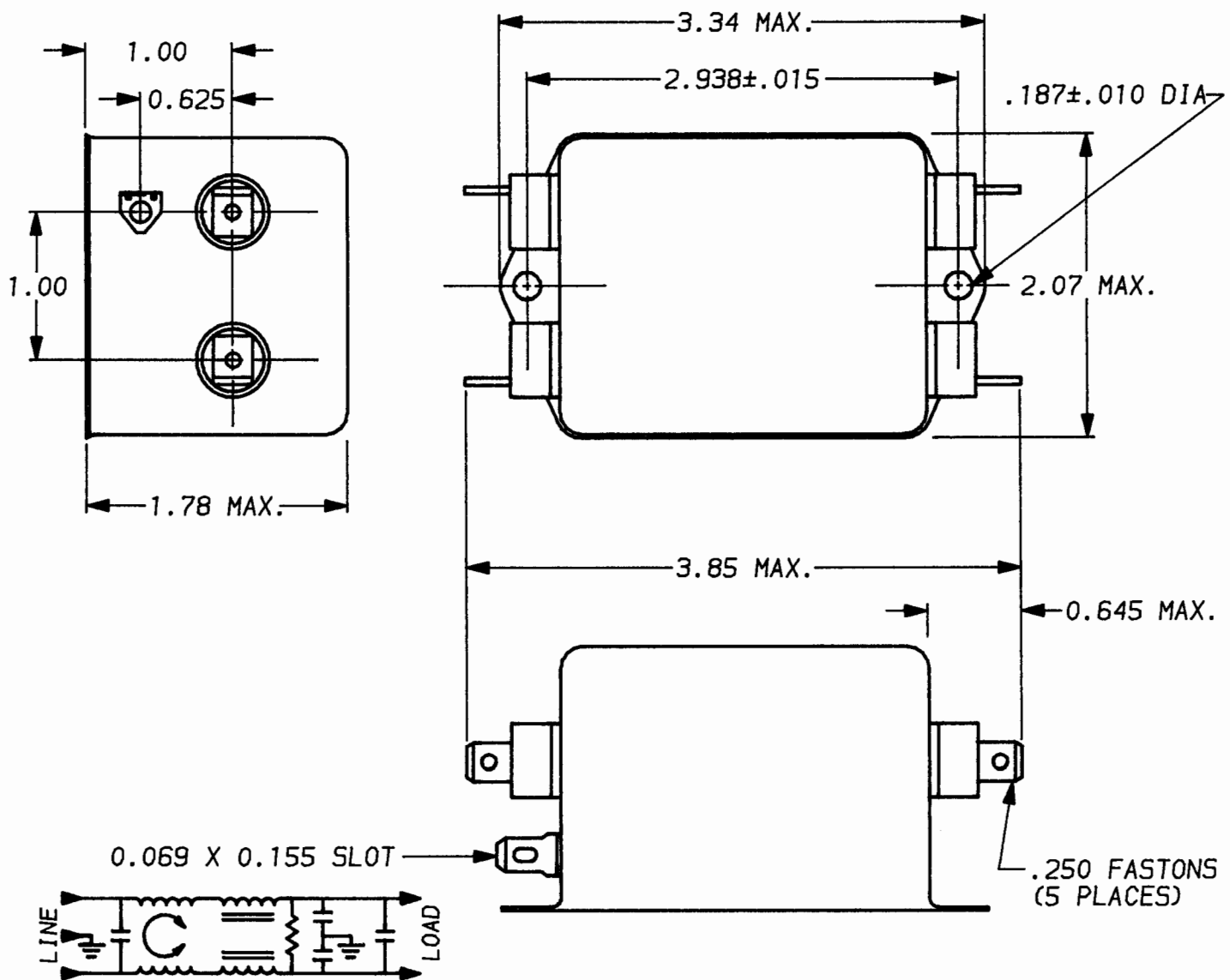
LINE/GROUND AND LINE/LINE, 6000Ω (MIN) AT 100VDC
INSULATION RESISTANCE, 20°C AND 50% RH

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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.015	.02	.05	.15	.5	1	2	5	10	20	30
COMMON dB	22	25	28	37	50	56	56	59	58	58	58	56
DIFF. dB	1	2	18	42	68	75	75	72	65	65	65	65

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

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LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 9-29-93 CATALOG NO.
APPRVD: JAM **3VQ1**
CAD NO. **3VQ1.08**

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