

**3EHQ3**

**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 APPROVAL PENDING

UL 544  
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: 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: 32.18 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)

LINE TO LINE: .94 µF ±20%  
DISCHARGE RESISTOR: 270KΩ

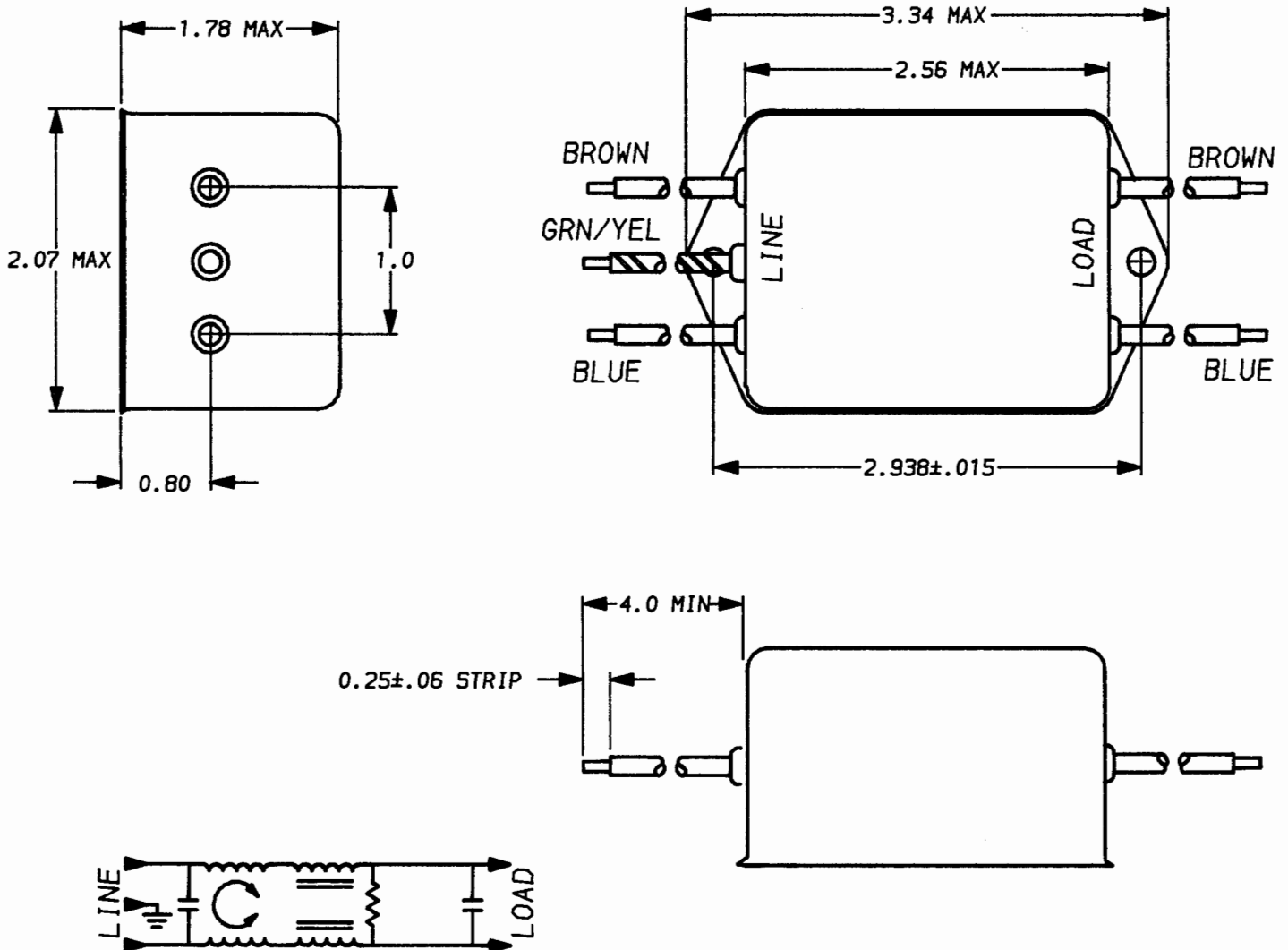
LINE/GROUND AND LINE/LINE: 5000MΩ (MIN) AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH


**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											UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH, AS SUPPLIED		 LIBERTYVILLE, IL 60048 <b>POWER LINE FILTER</b>	
FREQUENCY MHz	.01	.015	.02	.05	.15	.5	1	2	5	10				
COMMON dB	19	22	24	32	44	44	40	38	28	22	13	10	This document is proprietary to CORCOM INC. and is not to be reproduced nor used for manufacturing purposes except on CORCOM'S prior written consent. DATE: 10-4-93 APPROV: <i>AM</i> CAD NO. 3EHQ3.01	
DIFF. dB	1	2	18	43	68	75	75	72	70	65	62	60		<b>3EHQ3</b>