

**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 UL 544
- CSA CERTIFIED CSA 22.2, NO.0.0.4, 8
- VDE APPROVAL PENDING VDE 565-3
- SEV APPROVAL PENDING

**OPERATING SPECIFICATIONS:**

- LINE VOLTAGE/CURRENT: 3 AMP., 120/250 VAC
- LINE FREQUENCY: 2 AMP./40°C, 250 VAC
- MAX. CASE RISE  $\theta$  RATED CURRENT: 50-60Hz
- MAX. LEAKAGE CURRENT, EACH: 40°C
- LINE TO GROUND: 2 $\mu$ A @ 120V 60 Hz
- OPERATING AMBIENT TEMP. RANGE: 5 $\mu$ A @ 250V 50 Hz
- IN AN AMBIENT,  $t_0$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_0$ , IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85-t_0}{45}}$$

**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, 0.25 VAC MAX., 25°C  $\pm$ 1°C)
- LINE TO LINE: 1.08 $\mu$ F  $\pm$ 20%

**DISCHARGE RESISTOR**

- LINE/GROUND AND LINE/LINE: 270 K $\Omega$
- INSULATION RESISTANCE: 5000 M $\Omega$  (MIN) AT 100 VDC
- (W/O DISCHARGE RESISTOR): 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOIT.**

- 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.

**TOLERANCE EXCEPT AS NOTED**

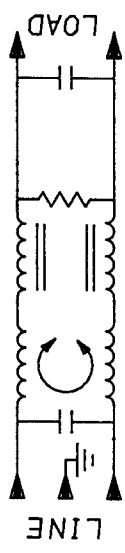
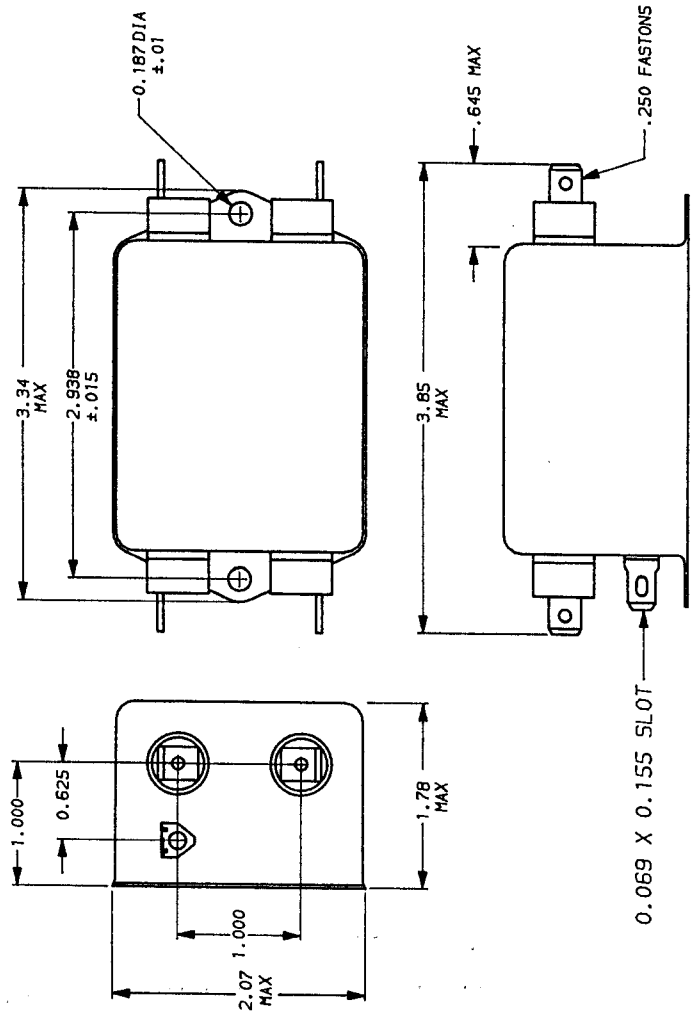
DECIMAL: .XXX .XX .X ANGLES  
ENGLISH:  $\pm$ .015  
METRIC:  $\pm$

**MATERIAL:**

AS SUPPLIED

**FINISH:**

AS SUPPLIED



50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS										
FREQUENCY MHz	.01	.15	.2	.5	1	2	5	10	20	30
COMMON	25	50	49	48	40	40	30	23	17	13
DIFF.	1	68	75	75	75	72	70	65	60	60

This document is proprietary to CORCOM INC. and is not to be reproduced nor used for manufacturing purposes except on CORCOM's order or prior written consent.

**corcom**  
LIBERTYVILLE, IL 60048

**POWER LINE FILTER**

SCALE: NTS 7-21-92  
REV. BY: CFW  
ORIGINATOR: CFW  
DRG. NO.: 3EHQ1.00  
REV. 0