

10ER1

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

**OPERATING SPECIFICATIONS:**

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

LINE FREQUENCY, 50-60Hz

MAX. LEAKAGE CURRENT, EACH, .25 mA AT 120V 60Hz  
 LINE TO GROUND, .40 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: .99 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)  
 LINE TO GROUND, .006 µF ±20%  
 LINE TO LINE, .301 µF ±20%  
 DISCHARGE RESISTOR: 680KΩ

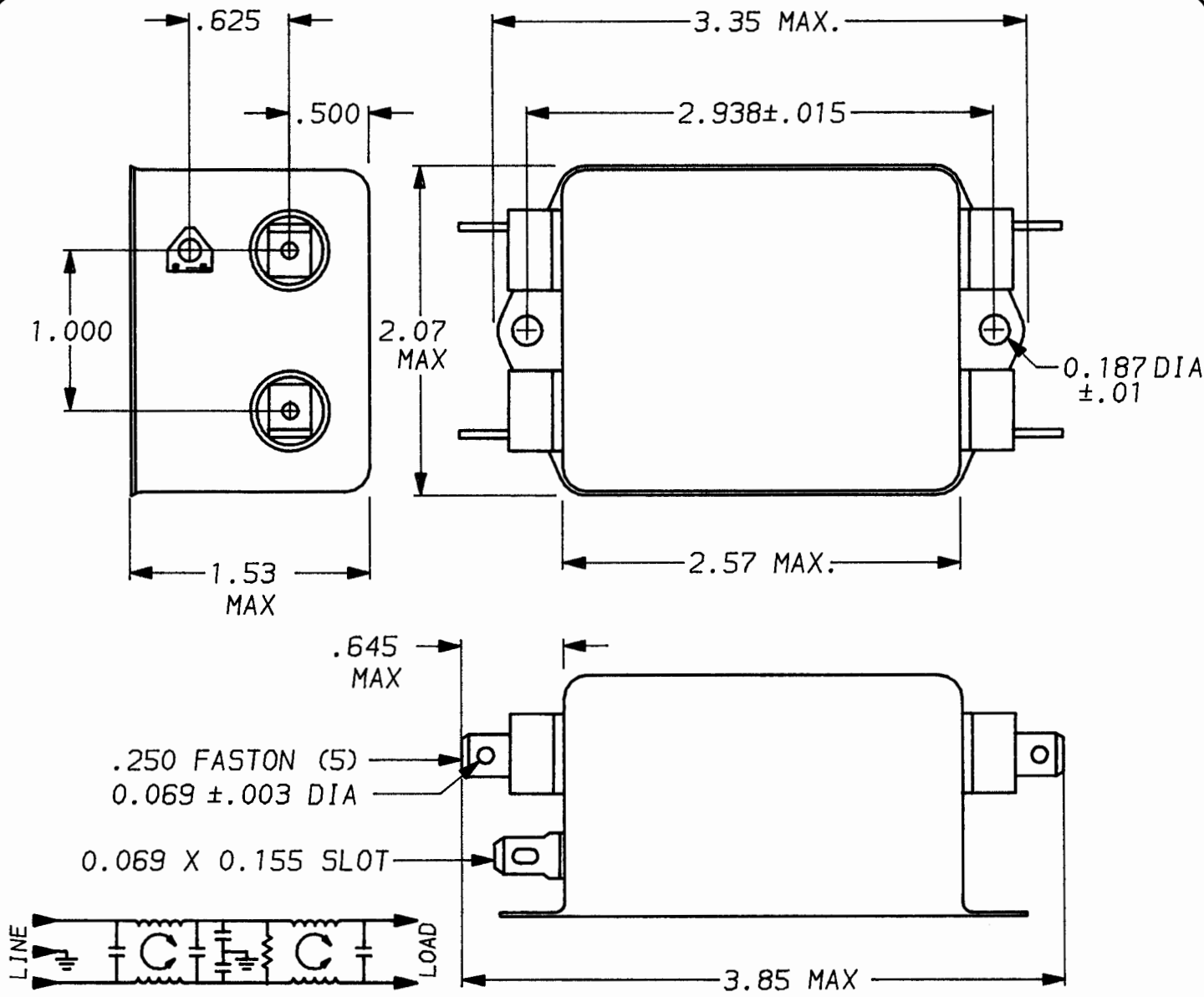
LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC  
 INSULATION RESISTANCE: 20°C AND 50% RH

**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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.3	.5	.6	1	.2	5	10	20	30	/	/
COMMON dB	5	25	40	43	53	58	63	65	65	65	/	/
DIFF. dB	8	3	4	5	40	65	65	65	60	57	/	/

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

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**CORCOM**  
 LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 9-23-93 CATALOG NO. 10ER1

APPRVD: [Signature] CAD NO. 10ER1.05

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