

C. Westlake 10-15-92  
 APPROVED BY/DATE  
 REV 2

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:  
 10 AMP., 120/250 VAC  
 8 AMP/40°C, 250 VAC  
 50-60Hz

LINE FREQUENCY:  
 .30 mA @ 120V 60Hz  
 .50 mA @ 250V 50Hz

MAX. LEAKAGE CURRENT, EACH  
 LINE TO GROUND

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:  
 -25°C TO +85°C

HUMIDITY:  
 21 DAYS @ 40°C 95% RH

CURRENT OVERLOAD TEST:  
 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE:  
 L 7.83 mH NOMINAL  
 N 7.866 mH NOMINAL

CAPACITANCE, (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)

LINE TO GROUND:  
 .004µF ±20%

LINE TO LINE:  
 .74µF ±20%

DISCHARGE RESISTOR:  
 330KΩ

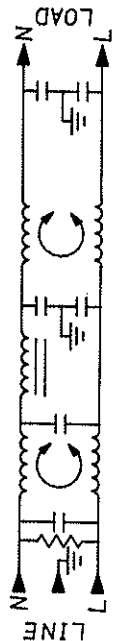
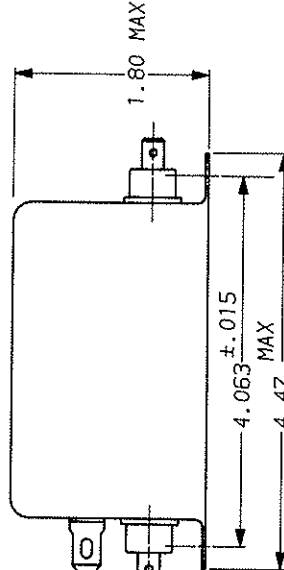
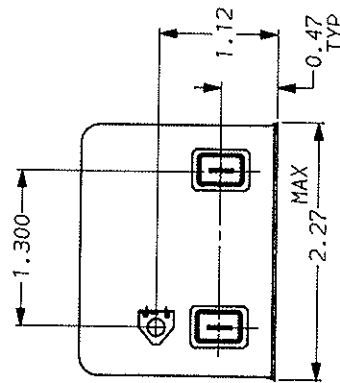
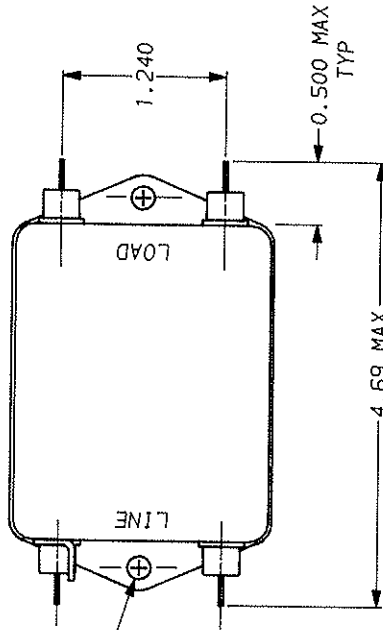
LINE/GROUND AND LINE/LINE  
 INSULATION RESISTANCE  
 (W/O DISCHARGE RESISTOR)  
 5000 MΩ (MIN) AT 100 VDC  
 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOUT:

2250 VDC FOR 1 MINUTE  
 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	.05	.07	.1	.15	.5	1	5	10	20	30
COMMON dB	8	15	15	18	42	64	65	65	65	60	60
DIFF. dB	5	5	5	26	40	65	65	60	70	70	70

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TOLERANCE EXCEPT AS NOTED  
 DECIMAL: .XXX .XX .X ANGLES  
 ENGLISH: ±.025 ±1°  
 METRIC: ±

MATERIAL: AS SUPPLIED

FINISH:

**corcom**  
 LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE: NTS 8-16-90  
 DATE: 8-16-90  
 DRAWING NO.: 10EG1.02  
 REV. NO.: 02