

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

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:

- 6 AMP., 120/250 VAC
- 5 AMP./40°C, 250 VAC
- 50-60HZ

LINE FREQUENCY:

- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND
- .3mA @ 120V 60HZ
- .5mA @ 250V 50HZ

OPERATING AMBIENT TEMP. RANGE:

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: 18.5 mH NOMINAL
- CAPACITANCE: (MEASURED @ 1 KHZ, 0.25 VAC MAX., 25°C ±1°C)
  - LINE TO GROUND: .008µF ±20%
  - LINE TO LINE: .94µF ±20%
- DISCHARGE RESISTOR: 330KΩ
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE (W/O DISCHARGE RESISTOR) 6000 MΩ (MIN) AT 100 VDC 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	.01	.03	.05	.15	.50	1.0	2.0	5.0	10	20	30		
COMMON	16	26	30	41	47	44	43	43	40	40	42	42	42
DIFF. dB	4	2	14	51	70	70	65	50	47	50	55		

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



**CORCOM**  
 LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	5-12-88		6ET3.02
DRW. BY	ORIGINATOR		
TDL	CW		

