

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

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT: 3 AMP., 120/250 VAC
 - LINE FREQUENCY: 3 AMP./40°C, 250 VAC 50-60Hz 40°C
 - MAX. CASE RISE θ RATED CURRENT: .5 mA at 120V 60 Hz
 - MAX. LEAKAGE CURRENT, EACH LINE TO GROUND: 1.0 mA at 250V 50 Hz
 - OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C θ 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 θ 40°C 95% RH
- CURRENT OVERLOAD TEST: 6 TIMES RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

- INDUCTANCE: 7.06 mH NOMINAL
- CAPACITANCE: (MEASURED θ 1 KHz, 0.25 VAC MAX., 25°C \pm 1°C)
 - LINE TO GROUND: .011 μ F \pm 20%
 - LINE TO LINE: .54 μ F \pm 20%
- DISCHARGE RESISTOR: 330 K Ω
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE: 6000 M Ω (MIN) AT 100 VDC 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOUT:

- 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.

50 Ω - 50 Ω (MINIMUM) INSERTION LOSS		INSERTION LOSS										
FREQUENCY MHz	COMMON dB	DIFF. dB	1	2	3	10	25	59	65	65	50	50
.01	.02	.05	.08	.1	.15	.5	1	5	10	20	30	30
6	12	20	25	28	33	50	45	45	45	45	45	45
1	1	1	2	3	10	25	59	65	65	50	50	50

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

CORCOM
 LIBERTYVILLE, IL 60048
POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	8-7-90		
DRW. BY	ORIGINATOR		
CFW	CFW		3VSK3.05

