

C. Westoby 5-21-92
 APPROVED BY/DATE
 REV 5

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
- CSA 22.2, NO.0,0.4,8
- VDE 565-3

OPERATING SPECIFICATIONS:

- LINE VOLTAGE/CURRENT: 5 AMP., 120/250 VAC
- 5 AMP./40°C, 250 VAC 50-60Hz 30°C
- LINE FREQUENCY: .5 mA at 120V 60 Hz
- MAX. CASE RISE θ RATED CURRENT: 1.0 mA at 250V 50 Hz
- MAX. LEAKAGE CURRENT, EACH LINE TO GROUND
- 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: .516 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: .203 μ F \pm 20%
- DISCHARGE RESISTOR: 1.5M Ω
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE: 6000 M Ω (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:

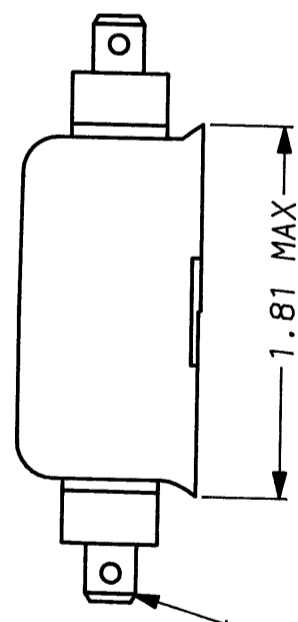
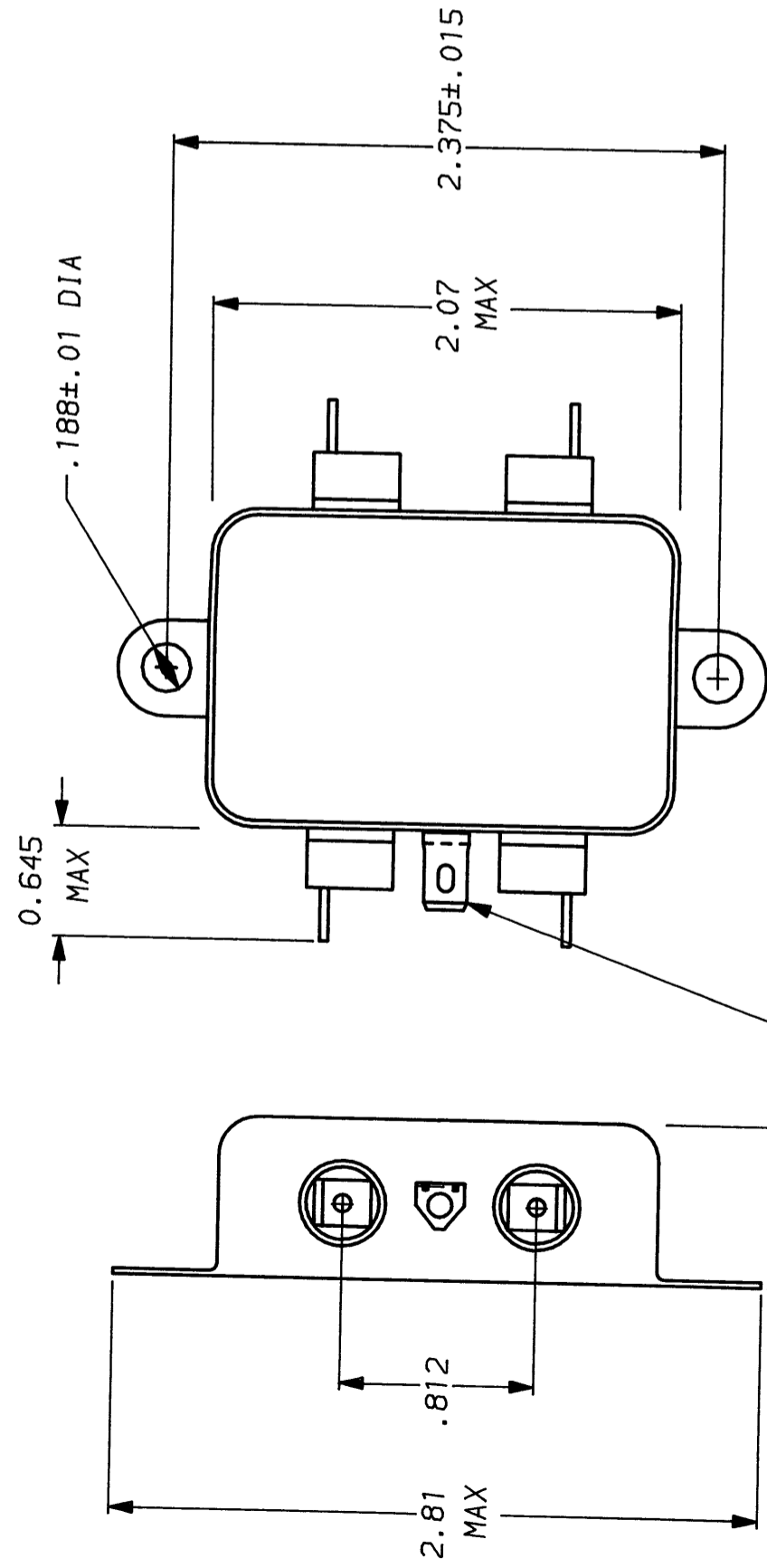
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

TOLERANCE EXCEPT AS NOTED

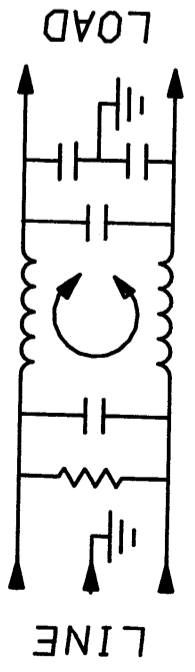
DECIMAL: .XXX .XX .X ANGLES \pm 1°
 ENGLISH: \pm .025
 METRIC: \pm —
 MATERIAL: AS SUPPLIED

FINISH:

AS SUPPLIED



.250 FASTON .069 ± .003 HOLE (5)



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.5	1	2	5	10	20	30
COMMON dB	10	25	32	37	46	50	52	53
DIFF. dB	5	5	40	60	63	60	50	50

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CORCOM
 LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE: NTS 7-31-90
 DRG. BY: CFW
 ORIGINATOR: CFW
 DRG. NO.: 5VK1.05
 REV.: 5

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