

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 (PENDING)

UL 1283
 CSA 22.2, NO.0,0,4,8
 VDE 565-3

OPERATING SPECIFICATIONS:
 LINE VOLTAGE/CURRENT:
 1 AMP., 120/250 VAC
 1 AMP./40°C, 250 VAC
 50-60Hz

LINE FREQUENCY:
 MAX. LEAKAGE CURRENT, EACH
 LINE TO GROUND
 .25 mA @ 120V 60 Hz
 .48 mA @ 250V 50 Hz
 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:
 1.86 mH NOMINAL
 CAPACITANCE: MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C
 LINE TO GROUND:
 .003μF ±20%
 LINE TO LINE:
 .81μF ±20%
 DISCHARGE RESISTOR
 330KΩ
 LINE/GROUND AND LINE/LINE
 INSULATION RESISTANCE
 5000 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.

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

MATERIAL:
 AS SUPPLIED

FINISH:
 AS SUPPLIED

50Ω - 50Ω MINIMUM INSERTION LOSS

FREQUENCY MHz	.15	.5	1	2	5	10	20	30
COMMON	18	32	40	45	45	45	52	40
DIFF.	20	50	65	65	60	53	48	48

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POWER LINE FILTER

LIBERTYVILLE, IL 60048

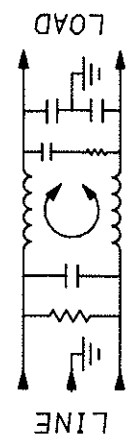
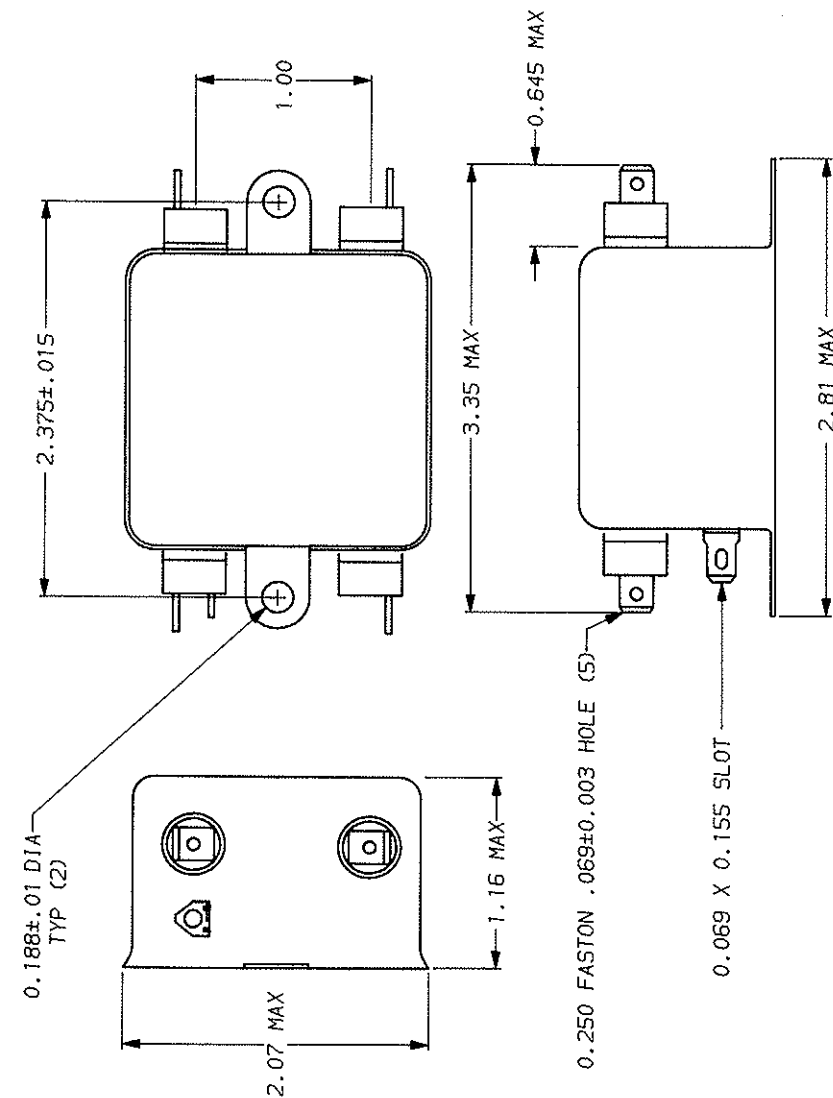
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 ENGLISH: ±.025 ±.1°
 METRIC: # —

MATERIAL:
 AS SUPPLIED

FINISH:
 AS SUPPLIED



LIBERTYVILLE, IL 60048	
POWER LINE FILTER	
DATE: NTS 11-5-90 DESIGNED BY: CFW	Dwg. NO.: 1EDK1.01 REV.