

# SAFETY ORGANIZATIONS

THIS FILTER HAS NOT YET 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 NOT YET BEEN MET:

- UL RECOGNIZED: UL 1283
- CSA CERTIFIED: CSA 22.2, # 8
- VDE APPROVED: VDE 565-3

# OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 3 AMP, 125 VDC

LINE FREQUENCY: DC

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND: 0.01 mA @ 100VDC

OPERATING AMBIENT TEMP. RANGE: -10°C TO +55°C @ RATED CURRENT,  $I_r$ .

IN AN AMBIENT,  $T_a$ , HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{90 - T_a}{35}}$$

# RELIABILITY SPECIFICATIONS:

- STORAGE TEMPERATURE: -40°C TO +85°C
- HUMIDITY: 21 DAYS @ 40°C 95% RH.
- CURRENT OVERLOAD TEST: 6 TIMES  $I_r$  FOR 8 SECONDS

# TEST SPECIFICATIONS:

- INDUCTANCE: 1.45 mH NOMINAL
- CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
  - LINE TO GROUND: (0.005 µF ±20%)
  - LINE TO LINE: (0.100 µF ±20%)
- DISCHARGE RESISTOR: 3.3 MΩ
- L/G AND L/L I.R.
- NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

# RECOMMENDED RECEIVING INSPECTION HIPOT:

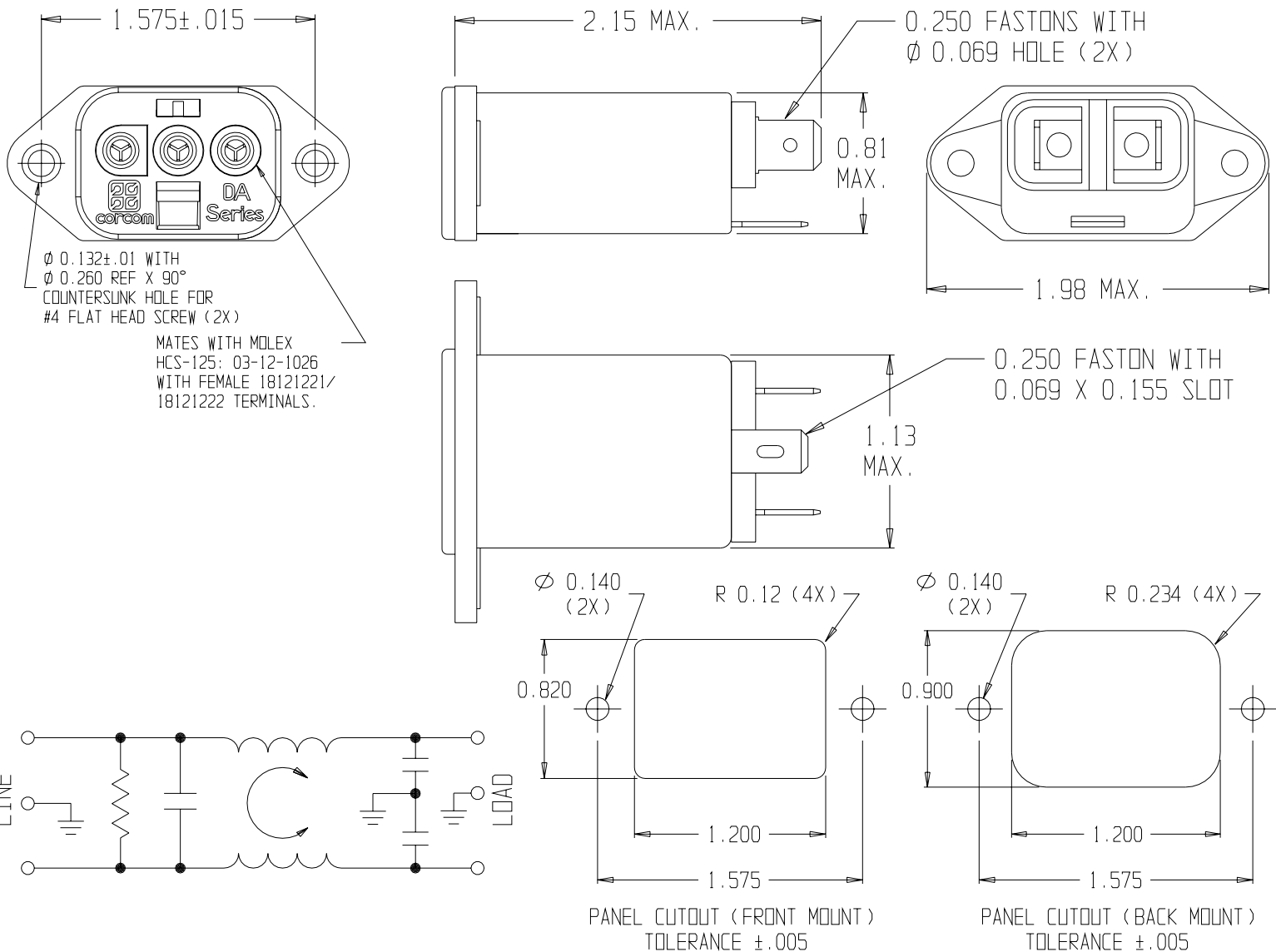
- LINE TO GROUND: 2250VDC FOR 1 MINUTE
- LINE TO LINE: 1450VDC FOR 1 MINUTE

# FILTER APPROVAL:

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

# CATALOG # 3DAF1

ECN #	APPRVD.	DATE
16003	ELC	7/2701



50Ω - 50Ω (MINIMUM) INSERTION LOSS											
FREQUENCY MHz	.05	.10	.15	.50	1	3	5	10	30	100	200
COMMON dB	6	9	11	26	41	48	52	55	46	22	16
DIFF. dB	-	4	7	16	18	37	47	50	43	31	36

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED

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844 E. ROCKLAND RD. LIBERTYVILLE IL 60048

## POWER LINE FILTER

CAD FILE: 3DAF100	DATE: 7/2/01	CATALOG NO.	REV.
SCALE: NTS	DRG. BY: ELC	3DAF1	0