



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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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_o , HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT, I_o , IS AS FOLLOWS:

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

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:

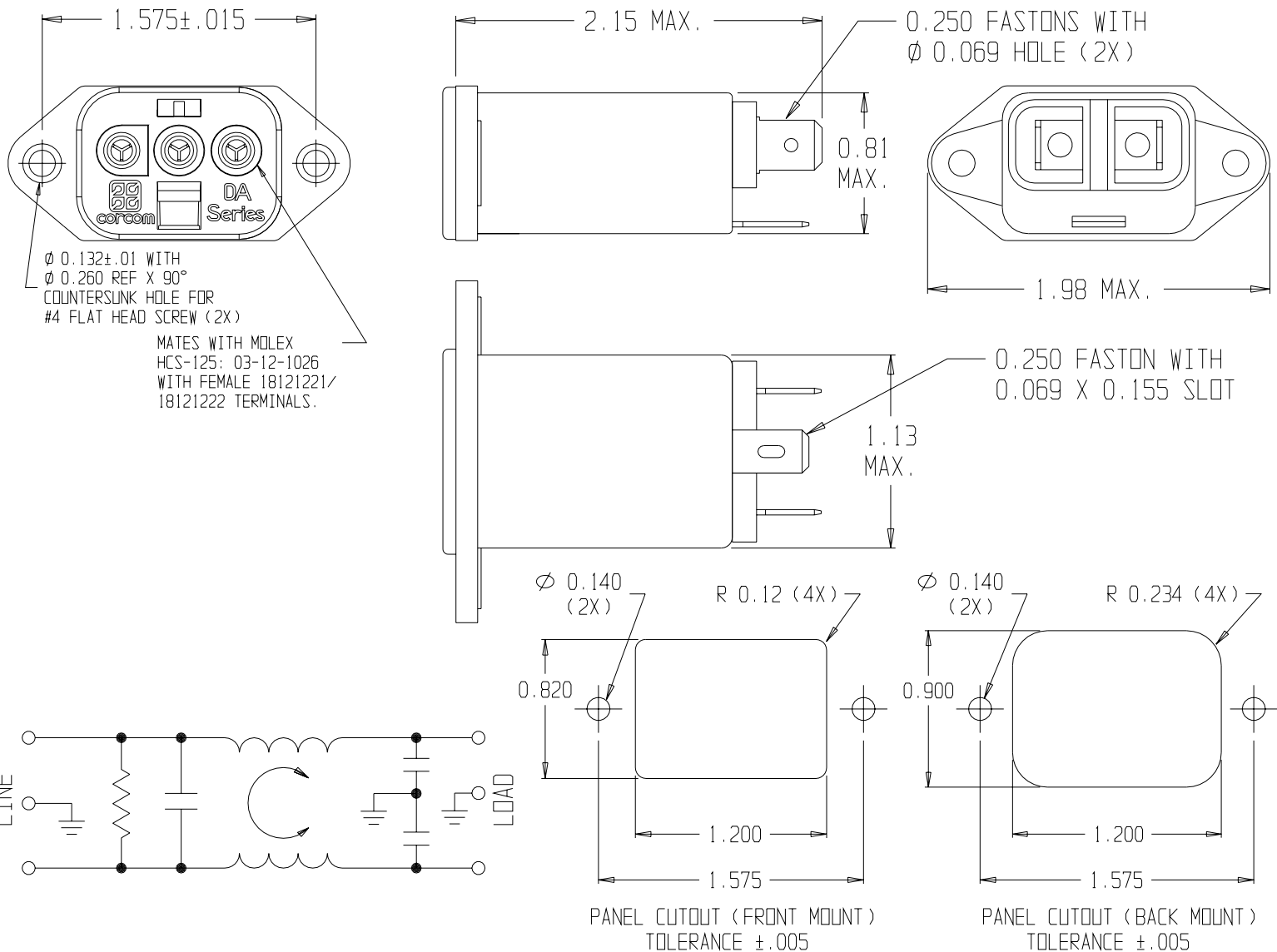
- LINE TO GROUND: 2250VDC FOR 1 MINUTE
- LINE TO LINE: 1450VDC FOR 1 MINUTE

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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POWER LINE FILTER

CAD FILE: 3DAF100
SCALE: NTS DATE: 7/2/01
DRW. BY: ELC DRIG: ELC

CATALOG NO. 3DAF1 REV. 0