



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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3VQ1

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

UL 1283
CSA 22.2, NO.0,0.4,8
VDE 565-3

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 3 AMP, 120/250 VAC
2 AMP./40°C, 250 VAC
LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH:
LINE TO GROUND: 1.0 mA AT 120V 60Hz
1.25 mA at 250V 50Hz

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: 32.18 mH NOMINAL
CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)
LINE TO GROUND: .02 µF ±20%
LINE TO LINE: .94 µF ±20%
DISCHARGE RESISTOR:

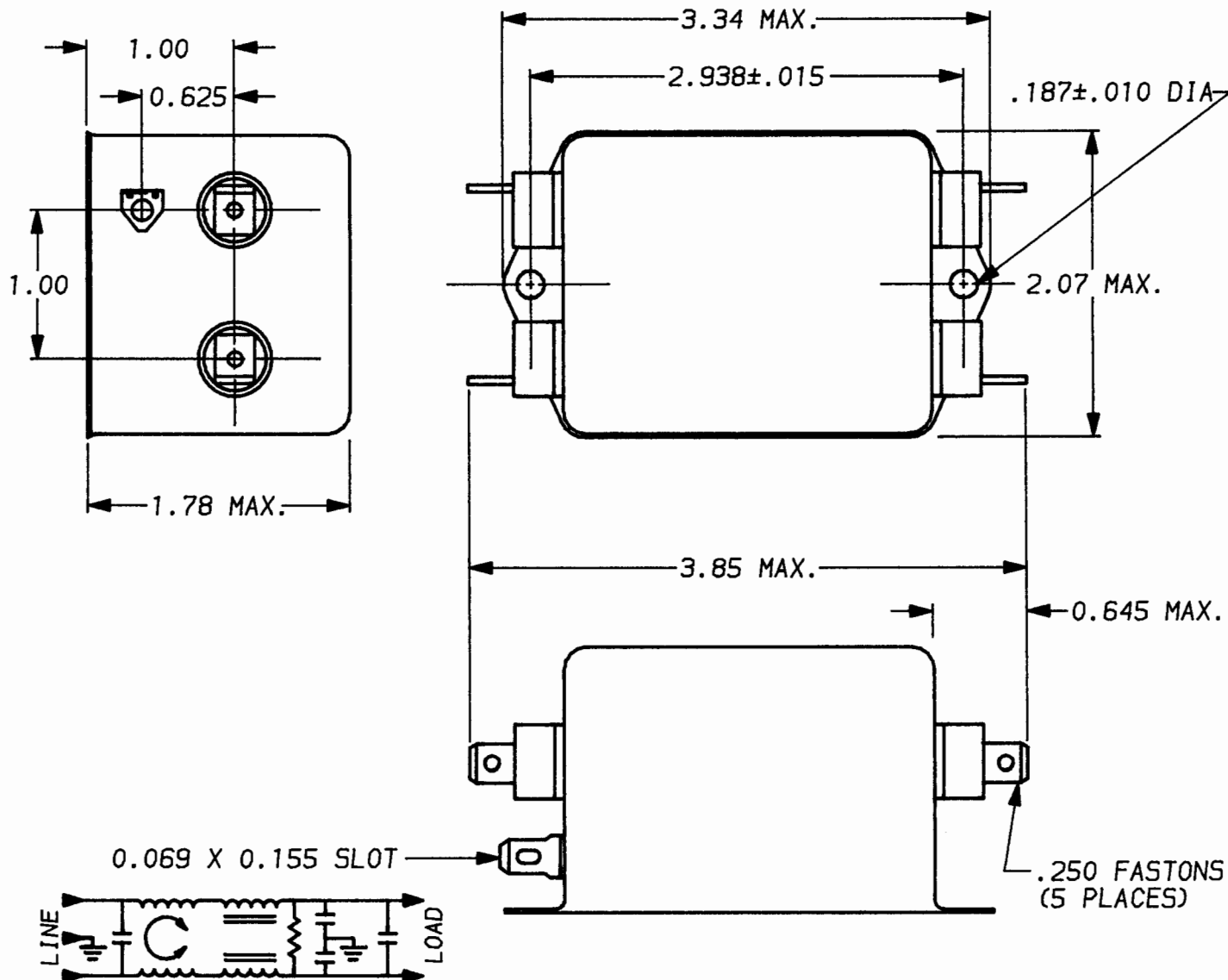
LINE/GROUND AND LINE/LINE: 6000Ω (MIN) AT 100VDC
INSULATION RESISTANCE: 20°C AND 50% RH

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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.015	.02	.05	.15	.5	1	2	5	10	20	30
COMMON dB	22	25	28	37	50	56	56	59	58	58	58	56
DIFF. dB	1	2	18	42	68	75	75	72	65	65	65	65

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025
MATERIAL & FINISH: AS SUPPLIED
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CORCOM
LIBERTYVILLE, IL 60048
POWER LINE FILTER
DATE: 9-29-93 CATALOG NO.
APPRVD: JAM
3VQ1
CAD NO. 3VQ1.08