



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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CUSTOMER DRAWING		
CATALOG # 10ERK1		
EC #	APPRVD.	DATE
08-031152	PJO	12DEC08

SAFETY ORGANIZATIONS

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: UL 1283
- CSA CERTIFIED: CSA 22.2, # 0,0,4,8
- VOE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 10 AMP/40°C, 120/250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.16 mA @ 120V 60Hz
0.28 mA @ 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:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

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:

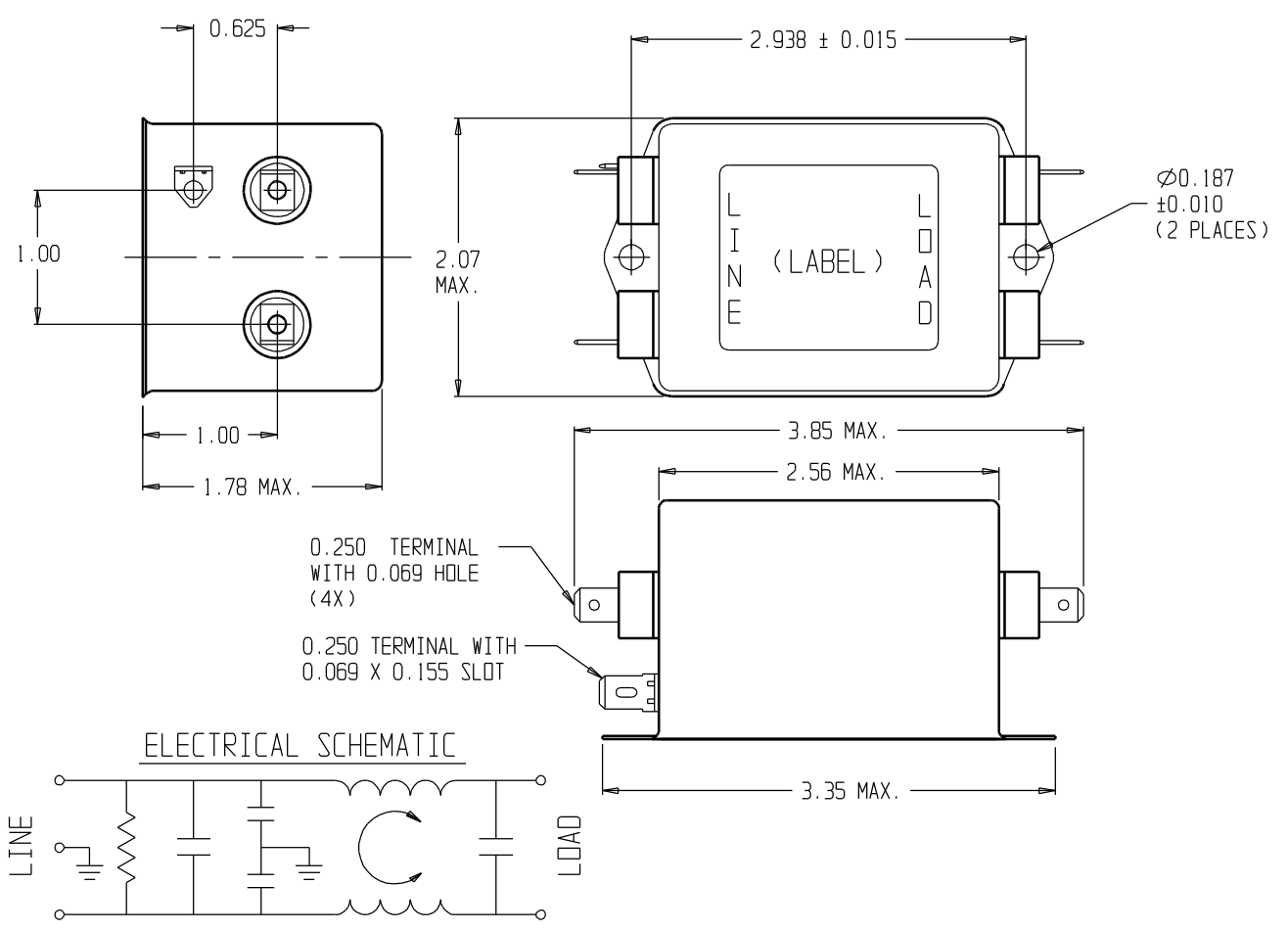
INDUCTANCE: 4.97 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0044 µF ±20%
LINE TO LINE: 0.741 µF ±20%
DISCHARGE RESISTOR: 470k Ω
L/G AND L/L I.R.: 6000M Ω (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE 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.



SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.05	.10	.15	.50	1.0	2.0	5.0	10	20	30
COMMON dB	20	27	31	45	45	44	46	47	53	44
DIFF. dB	14	12	30	65	80	84	78	70	60	50

THIRD ANGLE PROJECTION

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

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HARRISBURG, PENNSYLVANIA USA

Tyco Electronics
CORCOM PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060

POWER LINE FILTER

TYCO ELECTRONICS PART NO. 2-1609089-5

SCALE: NTS	DATE: 01FEB06	CATALOG NO. 10ERK1	REV. 4
DRW. BY: JF	DRIG: PJO		