

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!



## Contact us

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**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  
 UL LISTED: UL 935  
 CSA CERTIFIED: CSA C22.2 No. 8  
 VDE APPROVED: EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 3.0 AMP/50°C, 277 VAC 50-60Hz (UL&CSA)  
 3.0 AMP/50°C, 277 VDC (UL&CSA)  
 3.0 AMP/50°C, 250 VAC 50-60Hz (VDE)  
 3.0 AMP/50°C, 250 VDC (VDE)

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.28 mA @ 277V 60Hz  
 0.21 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +50°C @ RATED CURRENT, I<sub>r</sub>.

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{35}}$$

**RELIABILITY SPECIFICATIONS:**

STORAGE TEMPERATURE: -40°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH.  
 CURRENT OVERLOAD TEST: 6 TIMES I<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 0.42 mH NOMINAL (WHITE)  
 0.49 mH NOMINAL (BLACK)  
 CAPACITANCE: (MEASURED @ 1 kHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.0044uF ± 20 %  
 LINE TO LINE: 0.33uF ± 20 %  
 DISCHARGE RESISTOR: 1 MEGOHM  
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000MEGOHM (MIN.) 100VDC 20°C AND 50% RH

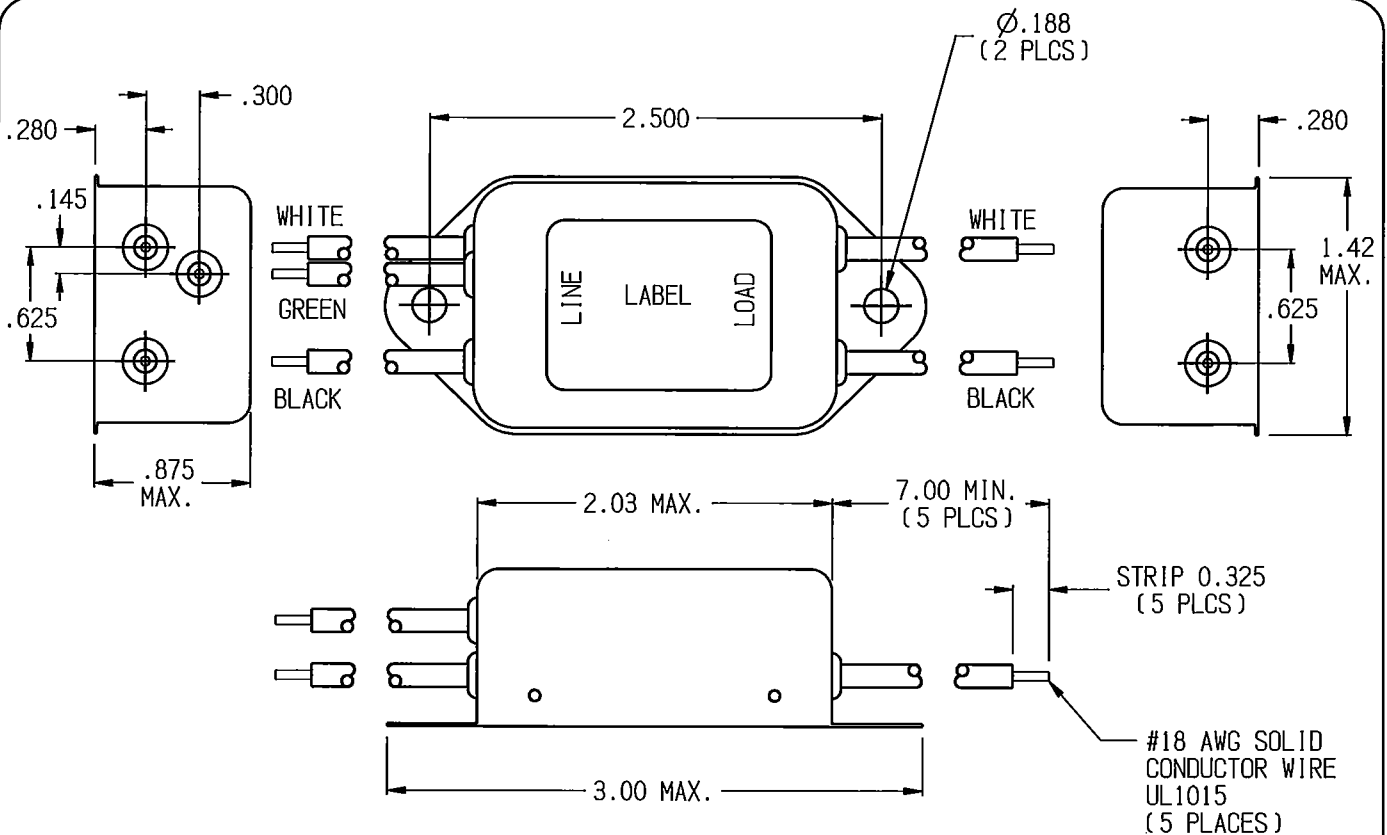
**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 2300 VDC FOR 1 MINUTE  
 LINE TO LINE: 1853 VDC FOR 1 MINUTE

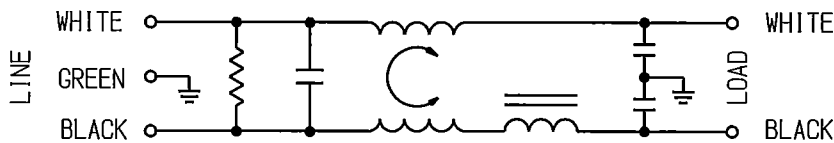
**FILTER APPROVAL:**

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

CUSTOMER DRAWING		
CATALOG #	3FB3	
ECN#	APPRVD	DATE
/	PJO	28FEB12



**ELECTRICAL SCHEMATIC**



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS											PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES					
FREQUENCY MHz	.03	.05	.1	.15	.5	1.0	2.0	5.0	10	20	30	/	UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ±0.025 MATERIAL & FINISH: AS SUPPLIED			
COMMON dB	0	1	6	8	20	26	33	41	41	47	50	/	NOTES:			
DIFF. dB	6	10	17	21	37	47	54	54	48	44	42	/	TE Connectivity <b>RFI FILTER</b> TYCO ELECTRONICS PART NO. 9-1609095-0			
SHEET SIZE	THIRD ANGLE PROJECTION	THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION, HARRISBURG, PENNSYLVANIA USA.											SCALE:	DATE:	DRAWING NUMBER:	REV.
A		3FB303.kld											1:1	24MAY11	3FB3	3
												DRW. BY:	DRG:			
												LJD	PJO			