



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 # HFB3

ECN#	APPRVD	DATE
/	PJO	28FEB12

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

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

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 0.5 AMP/50°C, 277 VAC 50-60Hz (UL&CSA)
 0.5 AMP/50°C, 277 VDC (UL&CSA)
 0.5 AMP/50°C, 250 VAC 50-60Hz (VDE)
 0.5 AMP/50°C, 250 VDC (VDE)

TEST SPECIFICATIONS:

INDUCTANCE: 0.89 mH NOMINAL (WHITE)
 1.04 mH NOMINAL (BLACK)
 CAPACITANCE: (MEASURED @ 1 kHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0044µF ± 20 %
 LINE TO LINE: 0.33µF ± 20 %
 DISCHARGE RESISTOR: 1 MEGOHM
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000MEGOHM (MIN.) 100VDC 20°C AND 50% RH

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND:

0.28 mA @ 277V 60Hz
 0.21 mA @ 250V 50Hz

RECOMMENDED RECEIVING INSPECTION HIPOT:

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

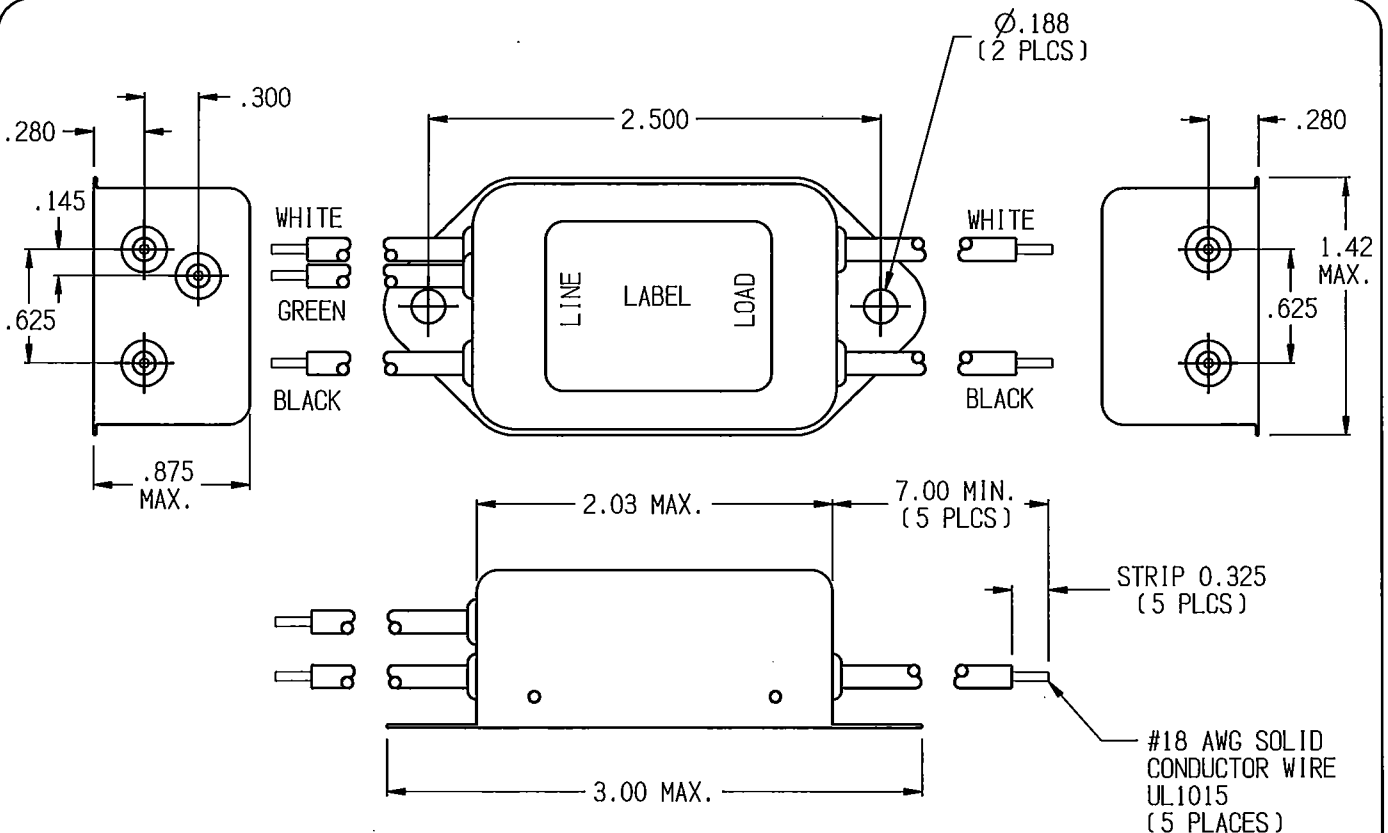
OPERATING AMBIENT TEMP. RANGE: -10°C TO +50°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T₀, HIGHER THAN 50°C, THE MAXIMUM OPERATING CURRENT, I₀, IS AS FOLLOWS:

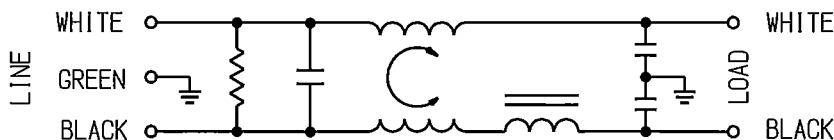
$$I_0 = I_r \sqrt{\frac{85 - T_0}{35}}$$

FILTER APPROVAL:

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



ELECTRICAL SCHEMATIC



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.03	.05	.1	.15	.5	1.0	2.0	5.0	10	20	30	/
COMMON dB	4	8	12	14	26	32	41	45	44	38	42	/
DIFF. dB	6	11	20	25	43	51	56	55	51	42	41	/

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PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES
 UNLESS OTHERWISE SPECIFIED
 TOLERANCE TO BE ±0.025
 MATERIAL & FINISH: AS SUPPLIED

STC TE Connectivity

RFI FILTER

TYCO ELECTRONICS PART NO. 8-1609095-8

SCALE: 1:1 DATE: 24MAY11 DRAWING NUMBER: HFB3 REV. 3
 DRW. BY: LJD ORIG: PJO

HF8303.cxd