

# APPROVAL SHEETS

**Customer**

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**Customer No.** A8860001

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**Description** EMI /RFI FILTER

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**Product Name**

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**Project No.**

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**Our Part No.**

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**Your Part No.**

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**Safety Approvals**



**Date** 21-Aug-19

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*Note: The validity of specification is 6 months from the date. High & Low Corp. reserves the right to revise contents that need to be modified.*

**Approved by customer**

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## CONTENT

Description	Page
1. Revision history .....	3
2. Compliance Checklist for Customer Specification.....	4
Customer specification Review .....	4
Fig-1 Electrical schematic .....	5
Fig-2 Derating curve of current .....	5
Fig-3 Typical filter attenuation .....	5
3. Mechanical dimension .....	6

# SPECIFICATION

## 1. Revision history

Customer P/N	35S5-2DH3-T			Rev.	1.0	Part NO.	35S5-2DH3-T
Part name	EMI FILTER	PRJ	35SCB70H			HAL model	35S5-2DH3-T

# SPECIFICATION

Page 4 of 6

## 2. Customer specification compliance checklist

Part name	EMI FILTER
Customer part number	35S5-2DH3-T
HAL model number	35S5-2DH3-T
PRJ	35SCB70H

## Customer specification review

No.	Description				
	Function and area of application				
	EMI FILTER				
1	General requirements	3 Phase			
2	Voltage rating:	600/347	VAC	±10%	
3	Operating frequency:	50/60Hz			
4	Current rating:	35A			@50°C
5	AC leakage current:	3.4mA			@480VAC 50/60Hz
6	Power loss:	6.8 W			@25°C 50Hz
7	Overload capability:	4x rated current at switch on,			
		1.5x rated current for 1 minute, once per hour.			
8	Safety Requirements:				
	Hi-pot L-L:	2250	VDC	2	Second
	Hi-pot L-N:	N/A	VDC	2	Second
	Hi-pot L-PE:	2750	VDC	2	Second
	Hi-pot N-PE:	N/A	VDC	2	Second
	IR:	100MΩ Min			@500VDC any input or output to ground
	DCR:	100mΩ Max			@input to output
	GB:	100mΩ Max			@25A
	Ambient Temperature:				@50°C
	Operating Temperature:				-25°C~100°C
	Climatic Category:				25/100/21
9	Design corresponding to:	UL1283,IEC/EN60939			
10	Safety Approvals				
	UL/CUL File No:	E179761			
	VDE File No:	N/A			
	CQC File No:	N/A			
	ENEC File No:	ENEC-01666			
	CE:	See attachment			
11	Electrical schematic:	See Fig-1			
12	Derating curve of current:	See Fig-2			
13	Typical filter attenuation:	See Fig-3			
14	Declare:	Comply with RoHS 2011/65/EU.2015/863/EU and REACH 2006/1907/EC			

Fig-1 Electrical schematic

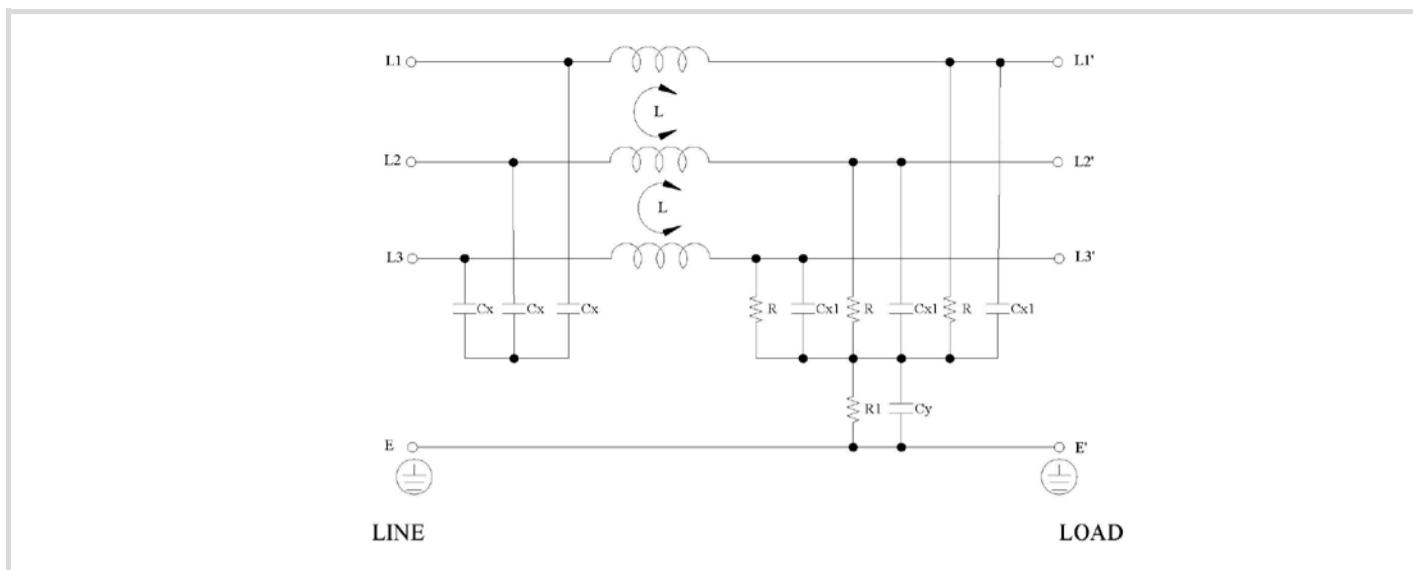


Fig-2 Derating curve of current

When ambient temperature is over 55°C, maximum applied current depends upon the following curve

IM: Maximum current  
 IR: Rated current 35A@50°C

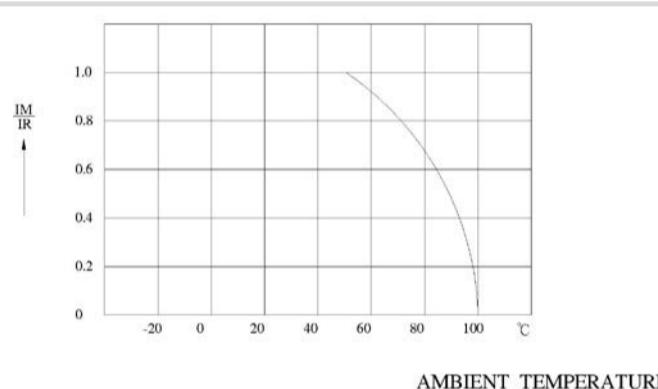
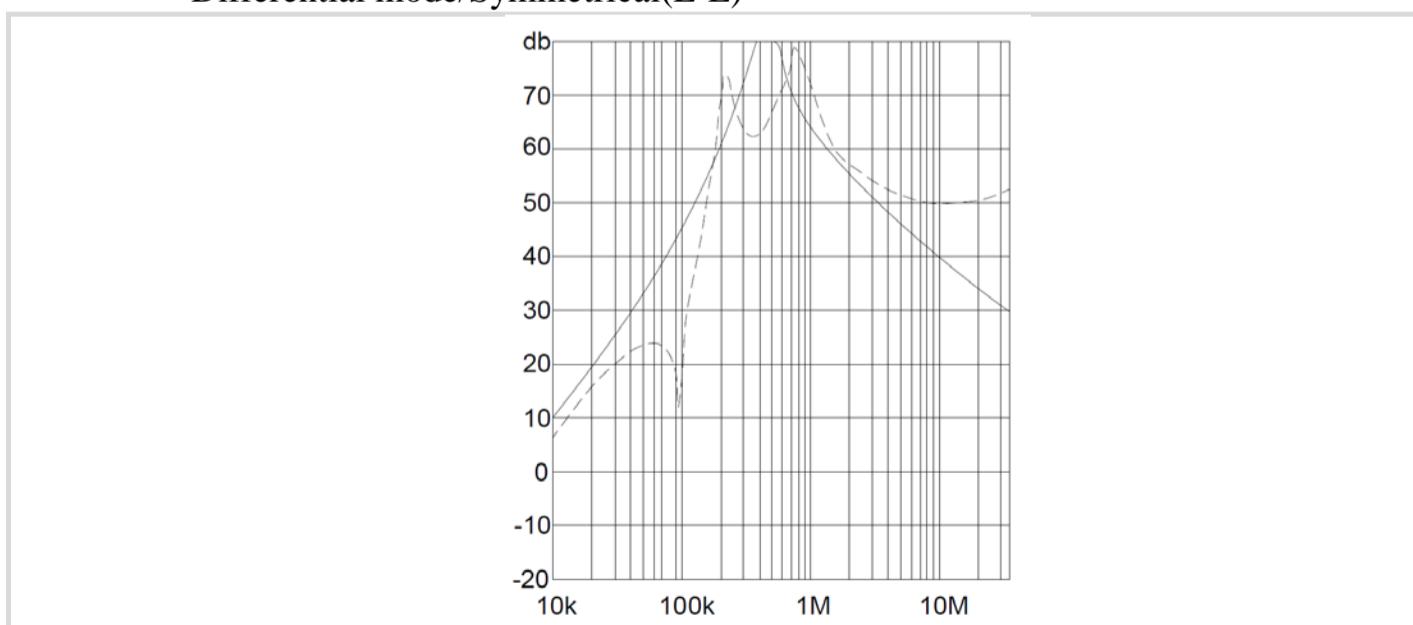


Fig-3 Typical filter attenuation

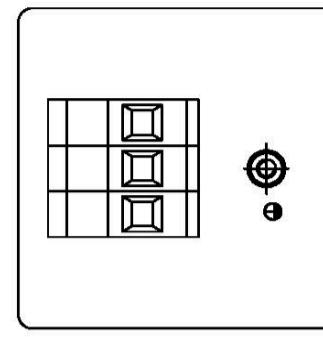
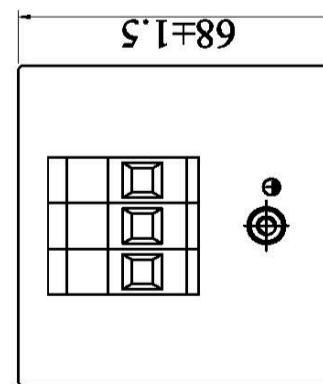
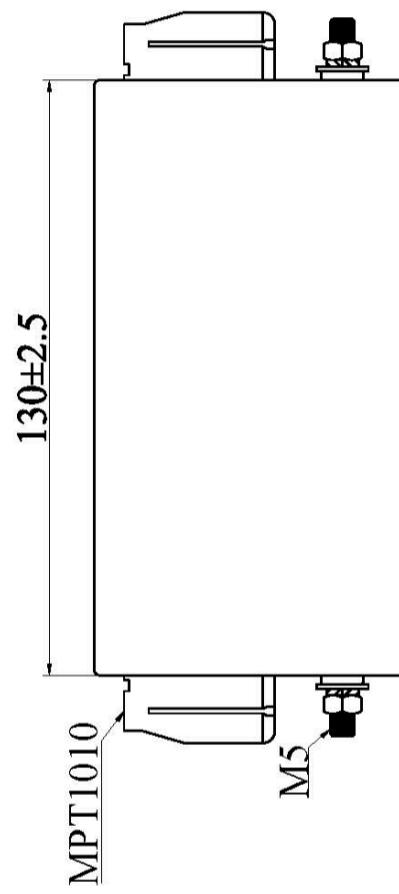
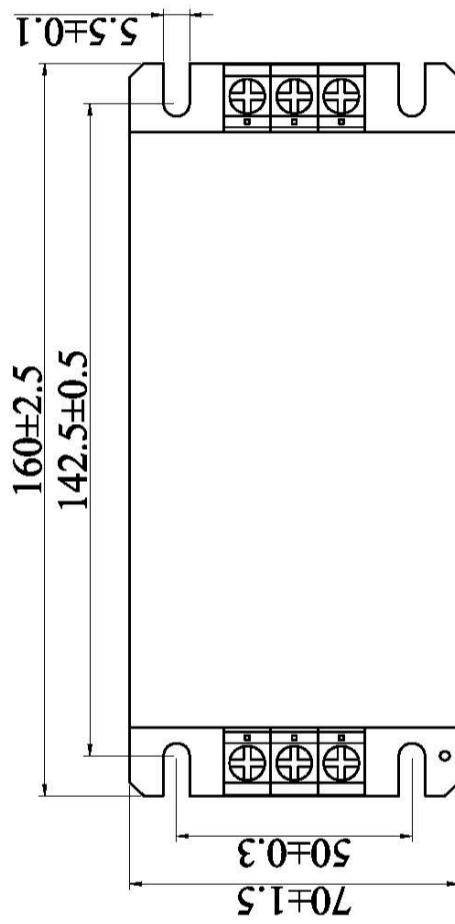
Insertion loss (dB) in 50Ω system cisper 17

- Common mode/Asymmetrical(L-G)
- - - Differential mode/Symmetrical(L-L)



# SPECIFICATION

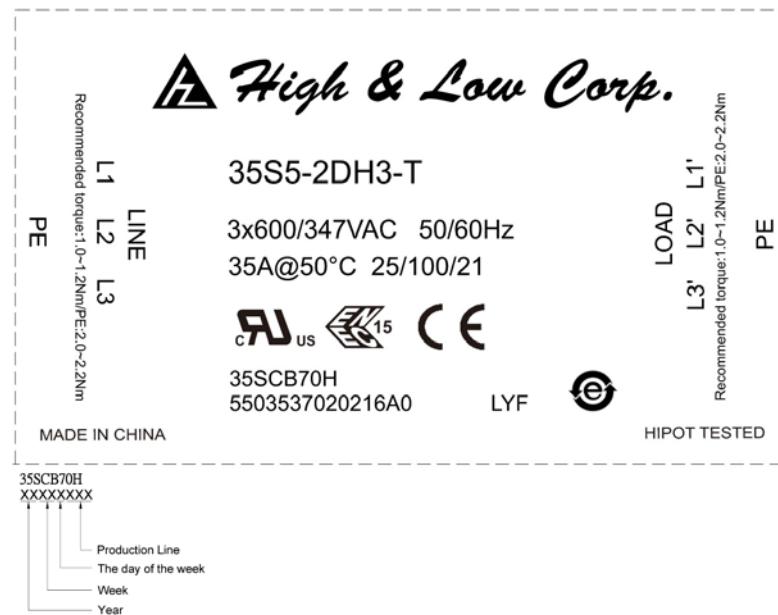
## 3. Mechanical dimensions:



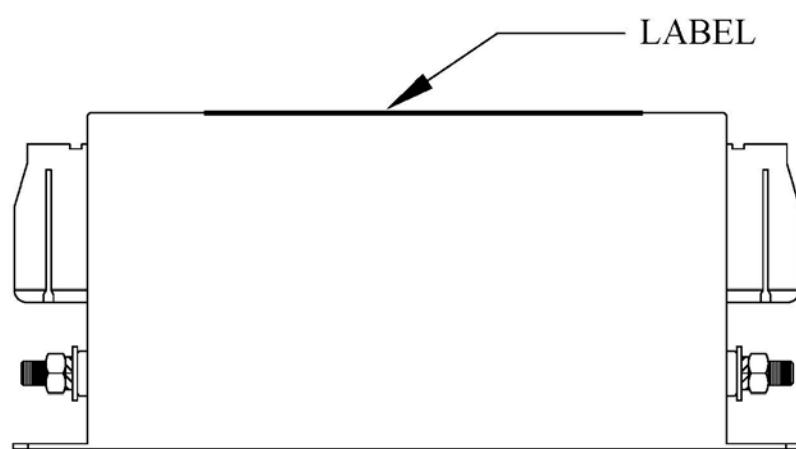
Unit:mm  
For Dimensions Without Tolerance  
According:ISO 2768-m

# Instruction For Label

Content of the label :



Label position :



# DECLARATION OF CONFORMITY

Brand name or trade mark: High & Low Corporation

Type of equipment: ELECTROMAGNETIC INTERFERENCE (EMI) FILTERS

Type designation: **35S5-2DH3-T**

Manufacturer: High & Low Technology Co., Ltd.

Address: No. 38 Zhenxing Road, Liyuhe Ind., Loucun Village, Gongming Town, Guangming Dist., Shenzhen Guangdong, China.

The designated product is in conformity with the European Directives:

**2014/35/EU**

Including amendments

"Council directive of 18 April 2014 on the harmonization of the laws of the Member States relating to electrical equipment designed for use within certain voltage limits."

**2014/30/EU**

Including amendments

"Council directive of 18 April 2014 on the approximation of the laws of the Member States relating to electromagnetic compatibility."

**Manufacturer representative within the EEA (for Manufacturer outside EEA )**

The following harmonized European standards or technical specifications which comply with good engineering practice in safety matters in force within the EEA have been applied :

**Standard(s)**

**Test Report(s)/Technical Data**

**Issued by:**

IEC60939:2005

According testing standard

Mr Jiang, R&D Manager

EN60939:2005

According testing standard

**Additional information**



As the manufacturer's authorized representative established within EEA, we declare under our sole responsibility that the equipment follow the provisions of the Directives stated above.

Date : 20. April. 2016

**R&D Manager**

James

Name:High & Low Corporation

Position: 7F., No 118, Ln.235, Baoqiao Rd., Xindian Dist., New Taipei City 231, Taiwan, R.O.C