

APPROVAL SHEETS

Customer Comestero Sistemi S.p.A.

Customer No. C0390001

Description EMI /RFI FILTER

Product Name 30SS4-1BC2-R-S

Project No. 30S4-1B4741030.67474C9-SR2 **Rev:**5.0

Our Part No. 5S0300902391200

Your Part No. 30S4-1B4741030-S

Safety Approvals    

Date 28-Apr-20

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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SPECIFICATION

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1. Revision history

Custromer P/N	30S4-1B4741030-S	Rev.	5.0	Part NO.	30SS4-1BC2-R-S
Part name	EMI FILTER	PRJ	30S4-1B 4741030.67474C9-SR2	HAL model	30SS4-1BC2-R-S

Rev.	Description	Validating Date	Page	Approved
0.0	INITAL RELEASE	29-Jul-13	1~6	James
1.0	Change the Hi-pot Line-Line 500VDC to L-N 1450VDC	22-Feb-17	6	James
2.0	Product Name Changed to 30SS4-1BC2-R-S	2-Mar-17	1~6	James
3.0	Add the PRJ:30S4-1B4741030.67474C9-SR2	5-Jul-17	1,3,4	James
4.0	Climatic Category:25/85/21 change to 25/110/21	7-Jul-17	4,5	James
5.0	Update the version 'Change the Mechanical dimensions	28-Apr-20	1~6	James

Prepared by	Reviewed by	Approved by
Madanyang	RD Dept. 2020.04.28 Toby Zhang	RD Dept. 2020.04.28 James Jiang

2. Customer specification compliance checklist

Part name	EMI FILTER		
Customer part number	30SS4-1BC2-R-S		
HAL model number	30SS4-1BC2-R-S	PRJ	30S4-1B 4741030.67474C9-SR2

Customer specification review

No.	Description				
	Function and arer of application				
	EMI FILTER				
1	General requirements	Single			
2	Voltage rating:	115~250	VAC	±10%	
3	Operating frequency:	50/60Hz			
4	Current rating:	30A	@50°C		
5	AC leakage current:	1.0mA	@115VAC 50/60Hz		2.0mA @250VAC 50/60Hz
6	Function Requirements				
	Common mode inductor Σ :	0.67	mH	+50% -30%	@100KHz 0.25V
	Differential mode inductor Σ :	N/A	mH	+50% -30%	@100KHz 0.25V
	Grounding inductor Σ :	N/A	mH	+50% -30%	@100KHz 0.25V
	Common mode capacitors Σ :	20000	pF	±20%	@1KHz 1V
	Differential mode capacitors Σ :	0.94	uF	±10%	@1KHz 1V
	Resistor Σ :	0.47	MΩ	±10%	@1KHz 1V
7	Safety Requirements:				
	Hi-pot L-L:	N/A	VDC	N/A	Second
	Hi-pot L-N:	1450	VDC	2	Second
	Hi-pot L-G:	2250	VDC	2	Second
	Hi-pot N-G:	2250	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~110°C			
	Climatic Category:	25/110/21			
8	Design corresponding to:	UL1283,IEC/EN60939			
9	Safety Approvals				
	UL/CUL File No:	E179761			
	VDE File No:	40008350(SS4-1)			
	CQC File No:	CQC10001049384(SS4)			
	CE:	N/A			
10	Electrical schematic:	See Fig-1			
11	Derating curve of current:	See Fig-2			
12	Typical filter attenuation:	See Fig-3			
13	Declare:	Comply with RoHS 2011/65/EU.2015/863/EU and REACH 2006/1907/EC			

Fig-1 Electrical schematic

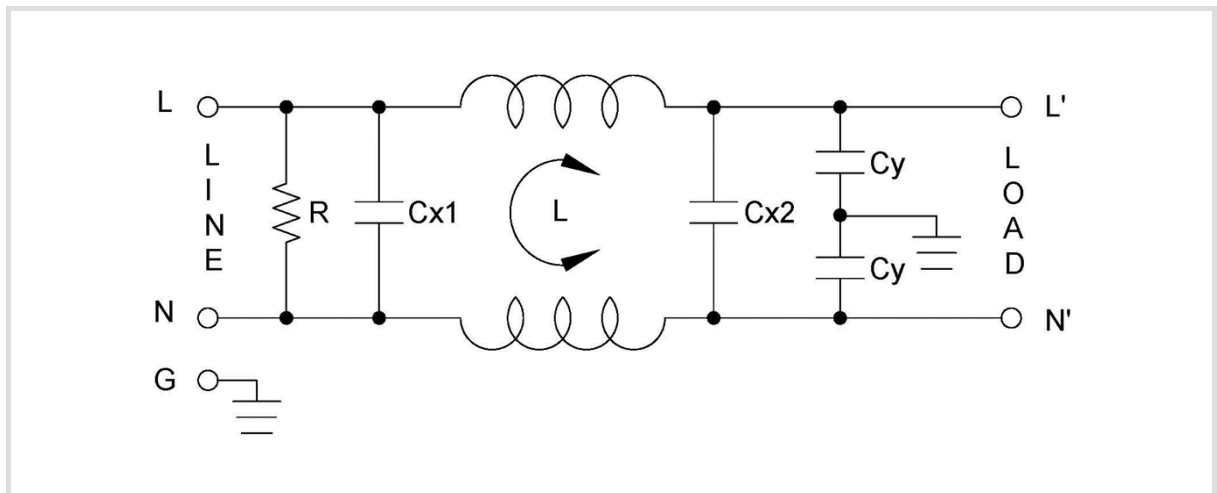


Fig-2 Derating curve of current

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

IM: Maximum current
IR: Rated current 30A@50°C

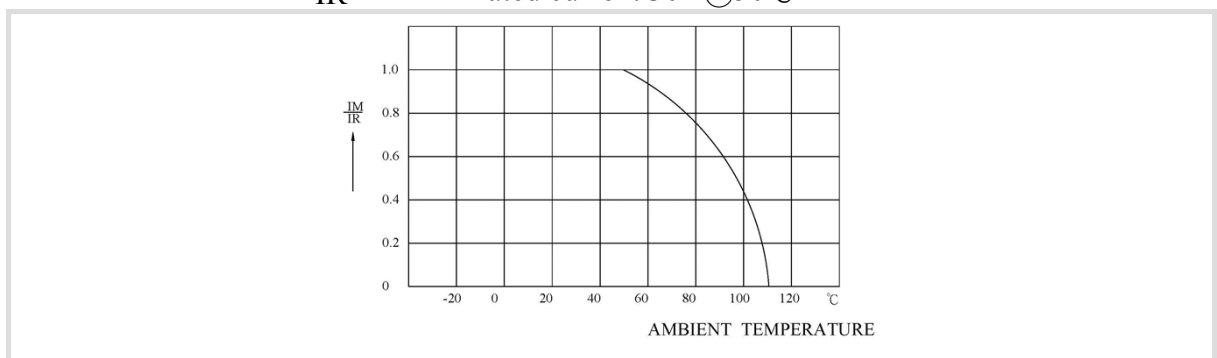
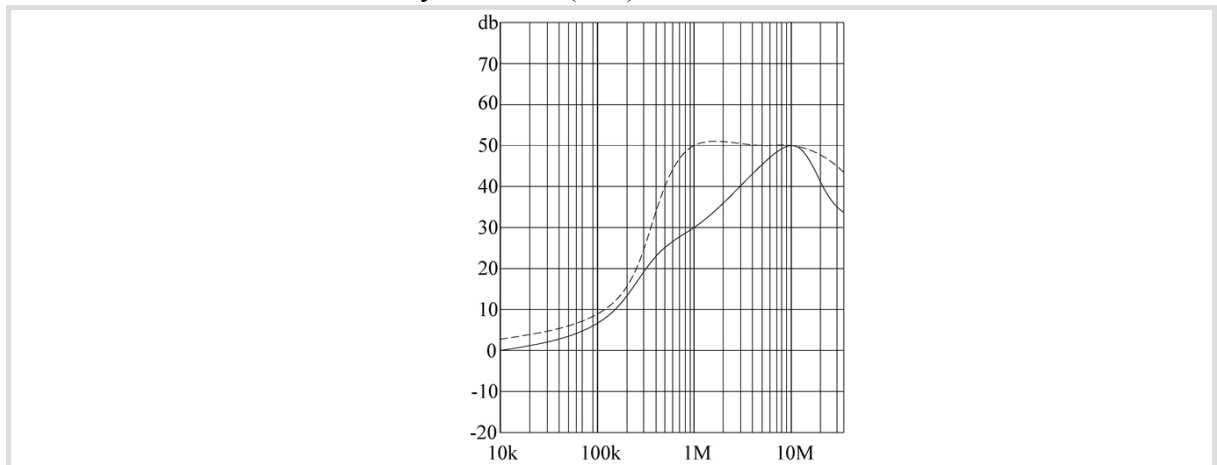


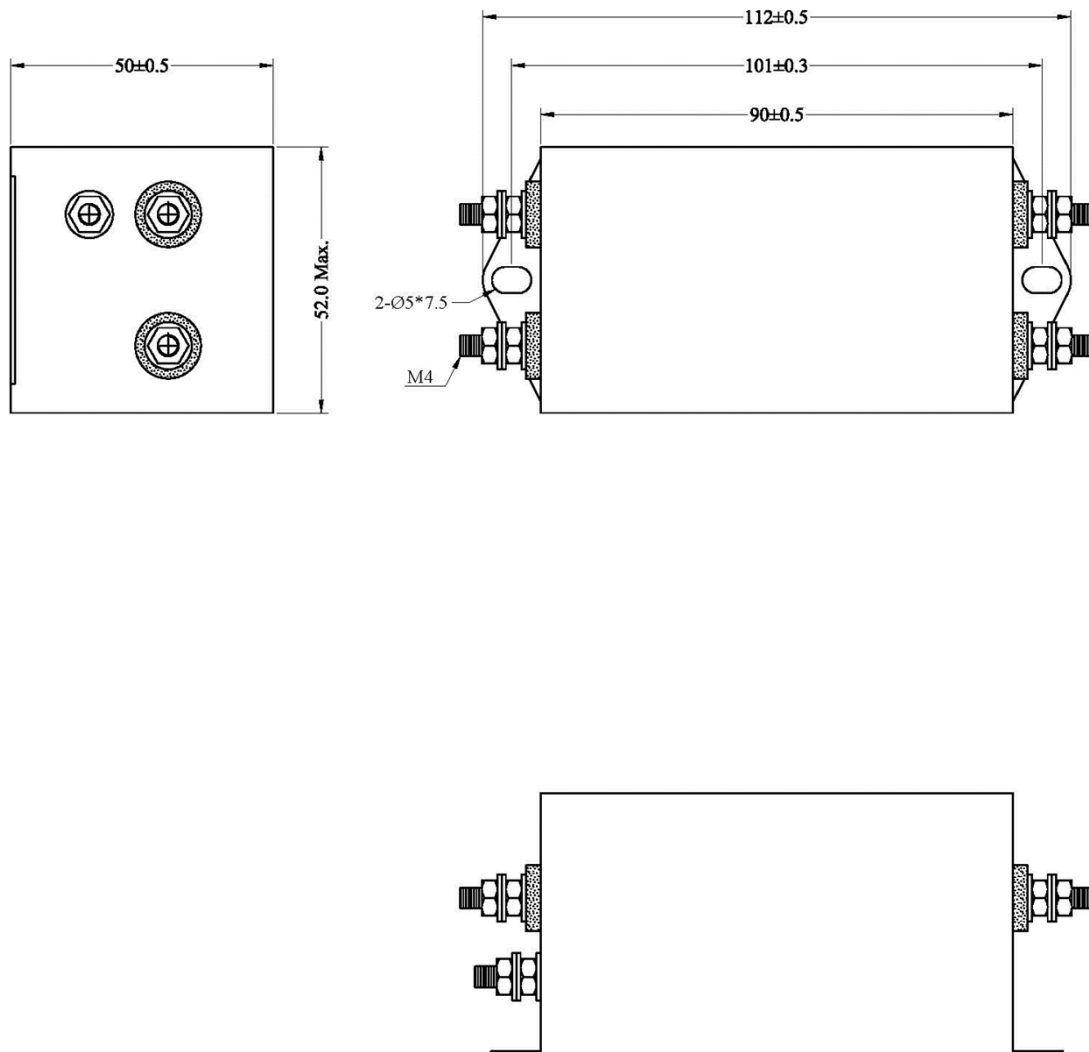
Fig-3 Typical filter attenuation

Insertion loss (dB) in 50Ω system cispr 17

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



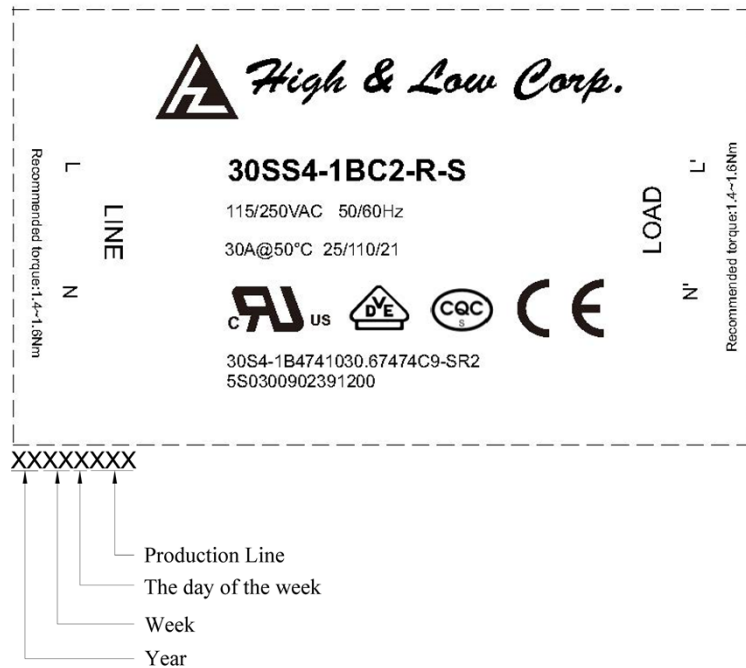
3.Mechanical dimensions:



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

Instruction For Label

Content of the label :



Label position :

