

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

Custromer P/N	10SS4-2DC2-Q	Rev.	1.0	Part NO.	10SS4-2DC2-Q
Part name	EMI FILTER	PRJ		HAL model	10SS4-2DC2-Q

Rev.	Description	Validating Date	Page	Approved
1.0	INITAL RELEASE	13-Jun-19	1~6	James
Prepared by		Reviewed by		Approved by
Madanyang		RD Dept. 2019.06.13 Toby Zhang		RD Dept. 2019.06.13 James Jiang

2. Customer specification compliance checklist

Part name		EMI FILTER	
Customer part number		10SS4-2DC2-Q	
HAL model number	10SS4-2DC2-Q	PRJ	

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:	10A	@50℃		
5	AC leakage current:	0.3mA	@115VAC 50/60Hz		0.6mA @250VAC 50/60Hz
6	Function Requirements				
	Common mode inductor Σ:	2	mH	+50% -30%	@10KHz 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:	6600	pF	±20%	@1KHz 1V
	Differential mode capacitors Σ:	0.3	uF	±10%	@1KHz 1V
	Resistor Σ:	2.2	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℃			
	Operating Temperature:	-25℃~110℃			
	Climatic Category:	25/110/21			
8	Design corresponding to:	UL1283,IEC/EN60939			
9	Safety Approvals				
	UL/CUL File No:	E179761			
	VDE File No:	40008352(SS4)			
	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

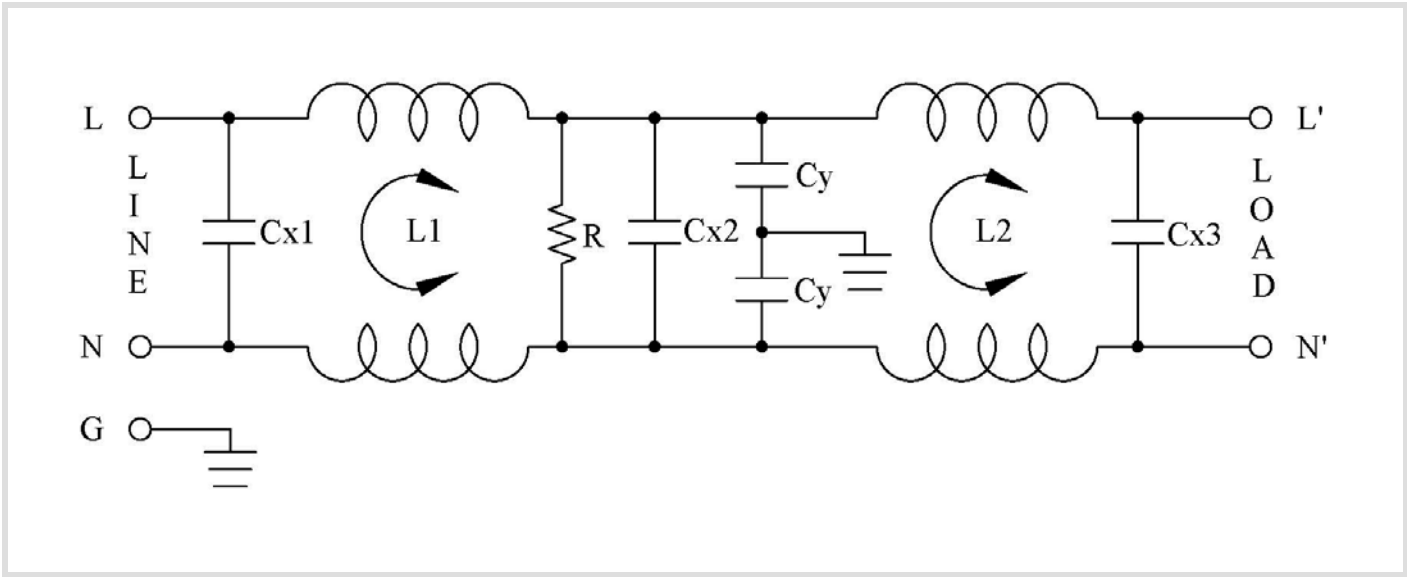


Fig-2 Derating curve of current

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

IM: Maximum current
IR Rated current 10A@50°C

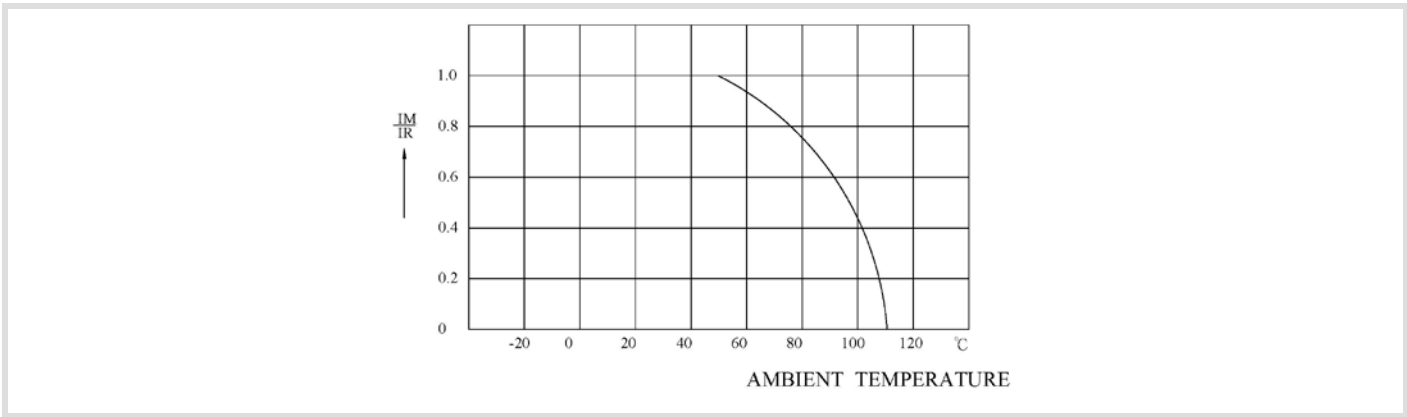
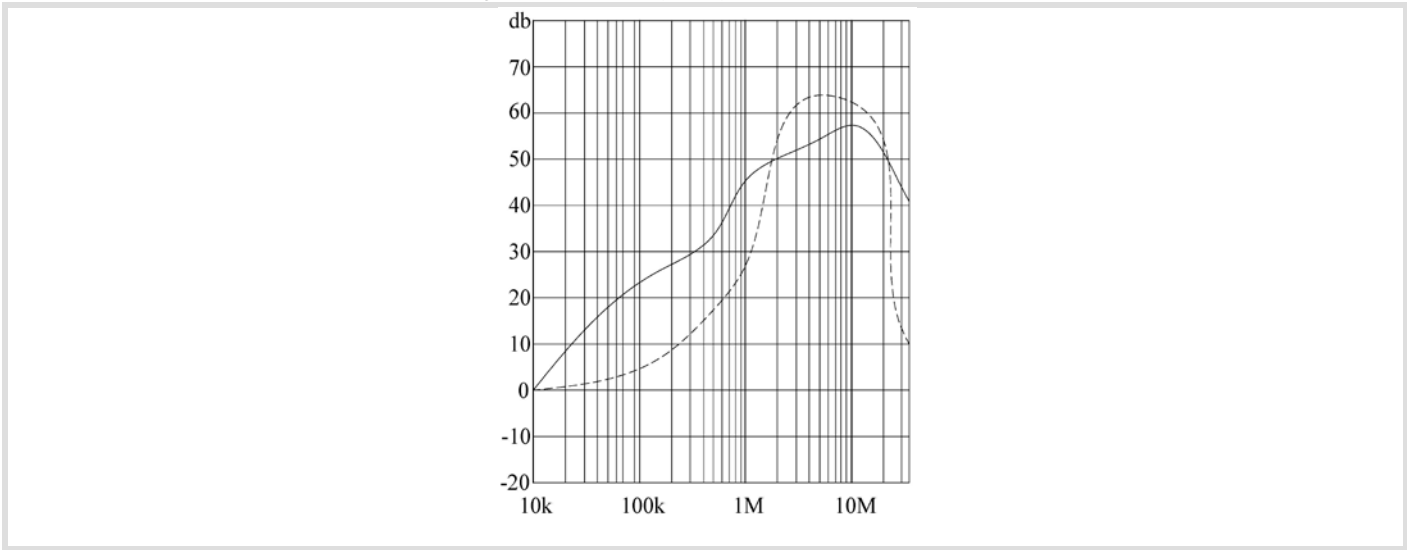


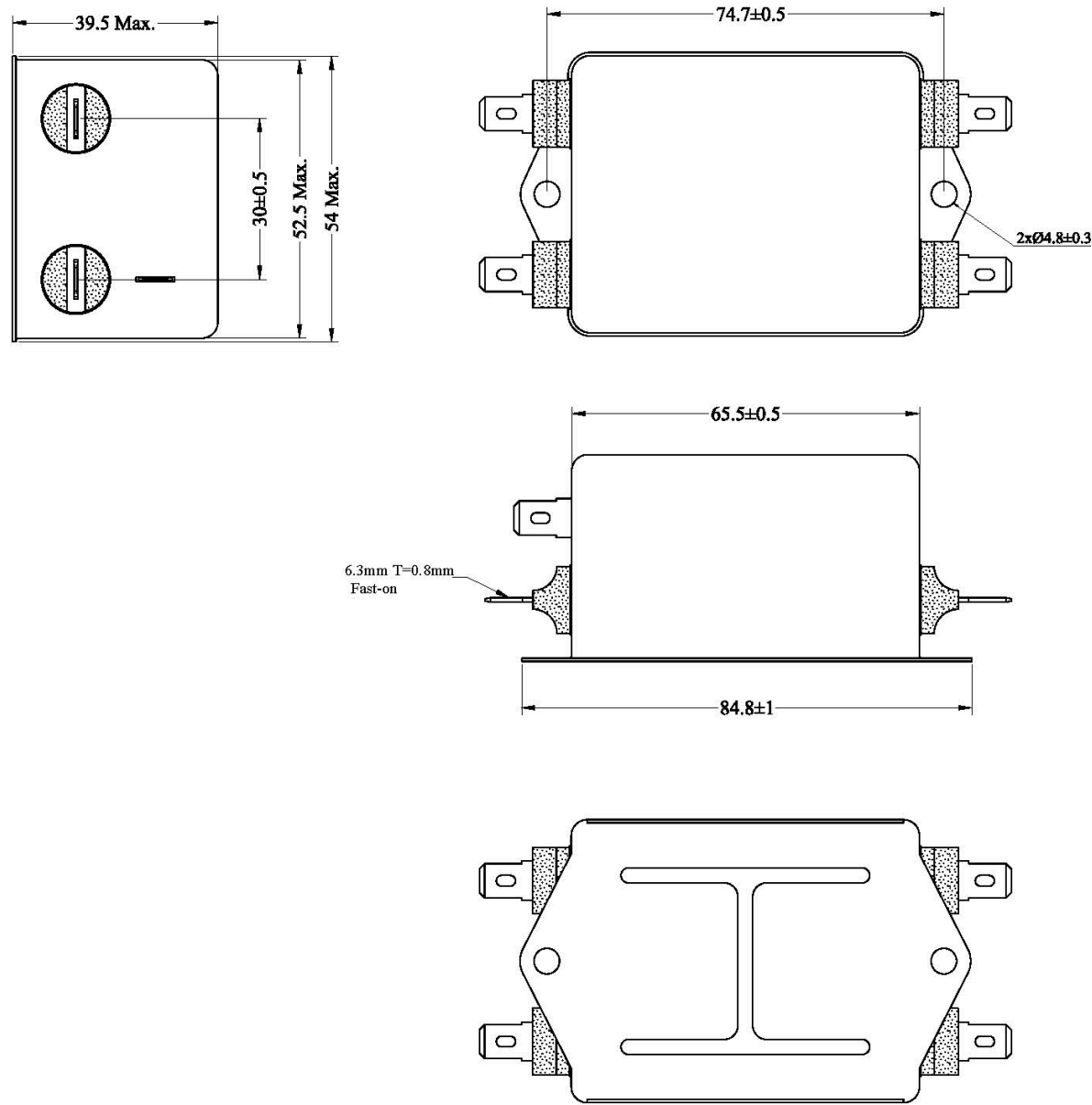
Fig-3 Typical filter attenuation

Insertion loss (dB) in 50Ω system cispr 17

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



3.Mechanical dimensions:



Note: Use welding in the base place, not soldering.