

APPROVAL SHEETS

Customer Comestero Sistemi S.p.A.

Customer No. C0390001

Description EMI /RFI FILTER

Product Name 10S7D-L31052732.0334-Q

Project No. 10S7D-L31052732.0334-Q

Rev:1.0

Our Part No. 570101601341208

Your Part No. 10S7DL3105-334Q(91200098)

Safety Approvals    

Date 19-Jun-18

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



力証實業股份有限公司

High & Low Corporation

7F., No.118, Ln.235, Baoqiao Rd., Xindian Dist.,
New Taipei City 231, Taiwan, R.O.C
Tel:886-2-8978-1800 Fax:886-2-8912-1900

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

Page 3 of 6

1. Revision history

Customer P/N	10S7DL3105-334Q(91200098)		Rev.	1.0	Part NO.	10S7D-L31052732.0334-Q
Part name	EMI FILTER	PRJ			HAL model	10S7D-L31052732.0334-Q

Rev.	Description	Validating Date	Page	Approved
1.0	INITIAL RELEASE	19-Jun-18	1~6	James

Prepared by	Reviewed by	Approved by
LongHai	RD Dept 2018.06.19 Toby Zhang	RD Dept 2018.06.19 James Jiang

2. Customer specification compliance checklist

Part name	EMI FILTER		
Customer part number	10S7DL3105-334Q(91200098)		
HAL model number	10S7D-L31052732.0334-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:	2.7mA	@115VAC 50/60Hz		5.4mA @250VAC 50/60Hz
6	Function Requirements				
	Common mode inductor:	2	mH	+50% -30%	@10KHz 0.25V
	Differential mode inductor:	N/A	mH	+50% -30%	@100KHz 0.25V
	Grounding inductor:	N/A	mH	+50% -30%	@100KHz 0.25V
	Common mode capacitors:	54000	pF	±20%	@1KHz 1V
	Differential mode capacitors:	1	uF	±10%	@1KHz 1V
	Resistor:	0.33	MΩ	±10%	@1KHz 1V
7	Safety Requirements:				
	Hi-pot L-L:	N/A	VDC	N/A	Second
	Hi-pot L-N:	500	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:	40014178(SS7&S7)			
	CQC File No:	CQC09001040515(SS7&S7)			
	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

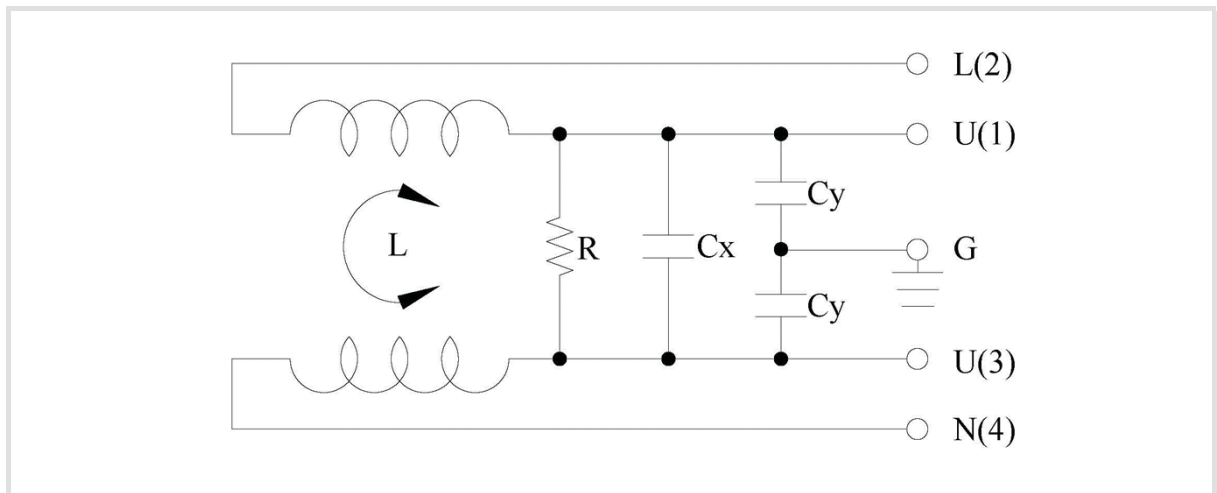


Fig-2 Derating curve of current

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

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

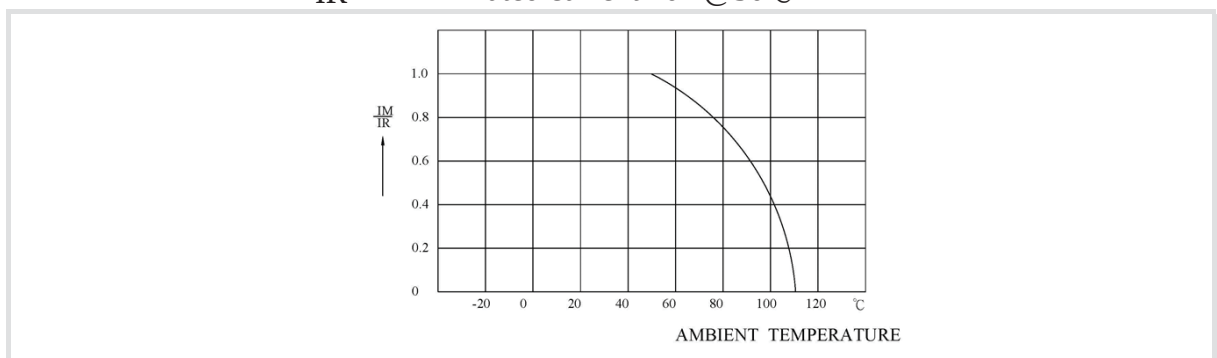
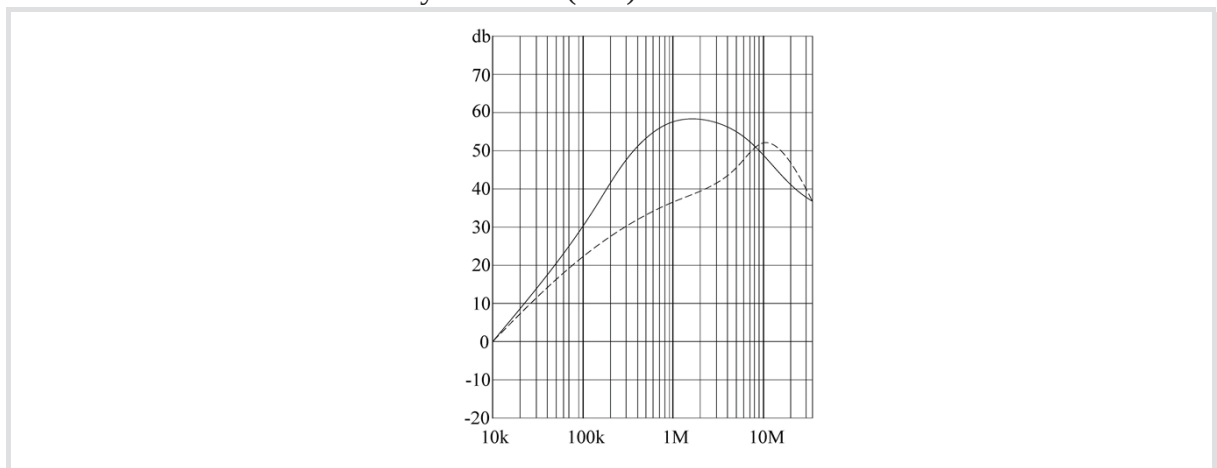


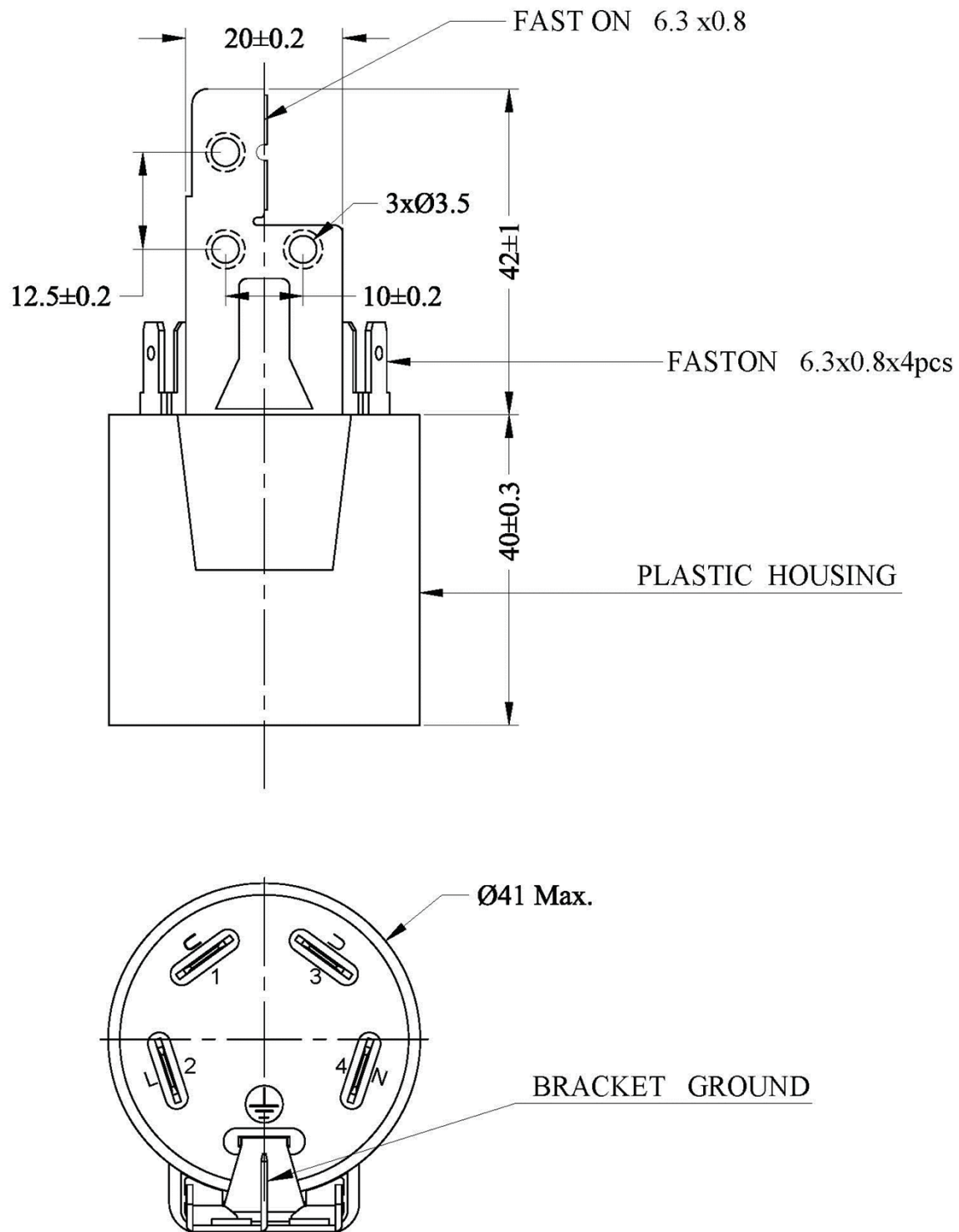
Fig-3 Typical filter attenuation

Insertion loss (dB) in 50Ω system cispr 17

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



3.Mechanical dimensions:



Unit:mm
For Dimensions Without Tolerance

SPECIFICATION

laser label

The laser is on box

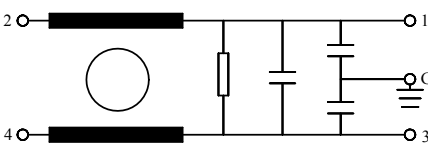
91200098 18XXXXXXXXXXXXXXXXXX

 **High & Low Corp.** 

10S7D-L31052732.0334-Q 

10A 115/250VAC;50/60Hz 25/110/21

EMI/RFI FILTER



L=2.0mHx2
R=330KΩ
Cx:1.0uF(X2)SH
Cy:27000pF(Y2)x2

MADE IN CHINA HIPOT TESTED