

APPROVAL SHEETS

Customer Comestero Sistemi S.p.A.

Customer No. C0390001

Description EMI /RFI FILTER

Product Name 10SS1-PH3R-Q

Project No. 10SS1-PH3R-Q **Rev:**2.0

Our Part No. 510100301501100

Your Part No. 10SS1-PH3R-Q

Safety Approvals    

Date 21-Mar-19

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
<http://www.hal.com.tw>

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SPECIFICATION

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1. Revision history

Customer P/N	10SS1-PH3R-Q		Rev.	2.0	Part NO.	
Part name	EMI FILTER	PRJ			HAL model	10SS1-PH3R-Q

Rev.	Description	Validating Date	Page	Approved
1.0	INITIAL RELEASE	1-Aug-12	1~6	James
2.0	SPEC FORMAT UPDATES	21-Mar-19	1~6	James

Prepared by	Reviewed by	Approved by
Lizhengjia	RD Dept. 2019.03.21 Jamesjiang	RD Dept. 2019.03.21 Jamesjiang

2. Customer specification compliance checklist

Part name	EMI FILTER		
Customer part number	10SS1-PH3R-Q		
HAL model number	10SS1-PH3R-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:	0.25mA	@115VAC 50/60Hz		0.45mA @250VAC 50/60Hz
6	Function Requirements				
	Common mode inductor Σ:	1.2	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:	4400	pF	±20%	@1KHz 1V
	Differential mode capacitors Σ:	0.22	uF	±10%	@1KHz 1V
	Resistor Σ:	1	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:	40008353(SS1)			
	CQC File No:	CQC09001033434(SS1)			
	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 Comply with IEC60320			

Fig-1 Electrical schematic

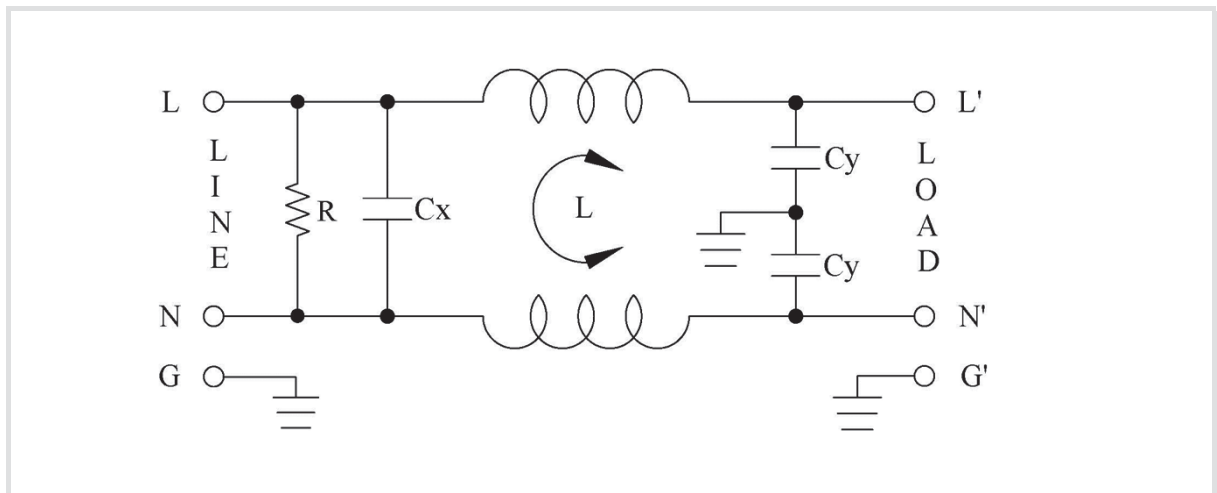


Fig-2 Derating curve of current

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

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

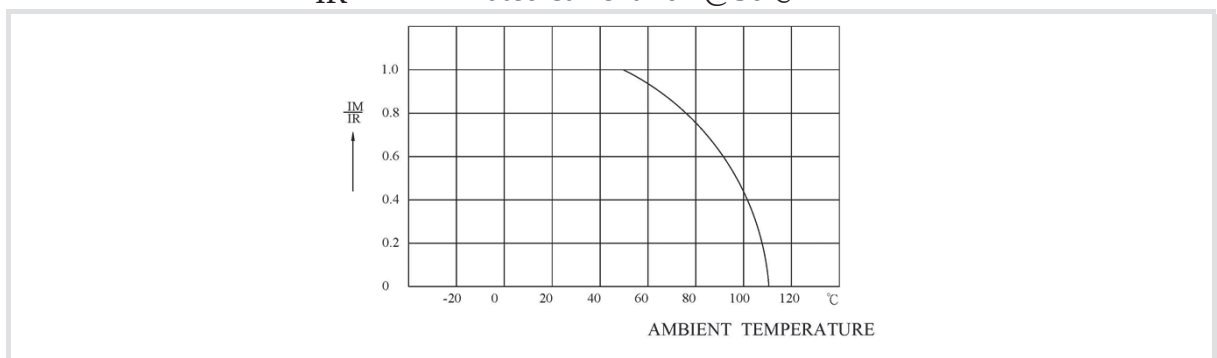
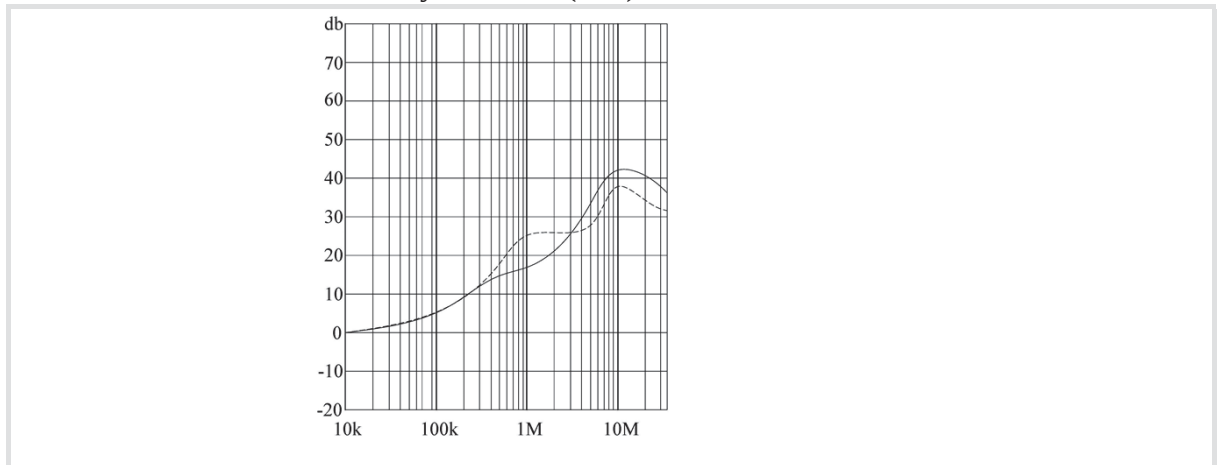


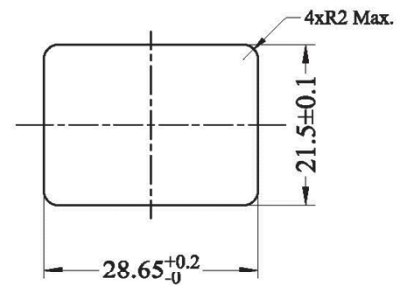
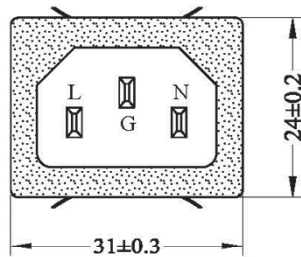
Fig-3 Typical filter attenuation

Insertion loss (dB) in 50Ω system cispr 17

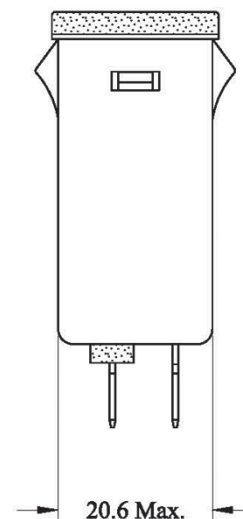
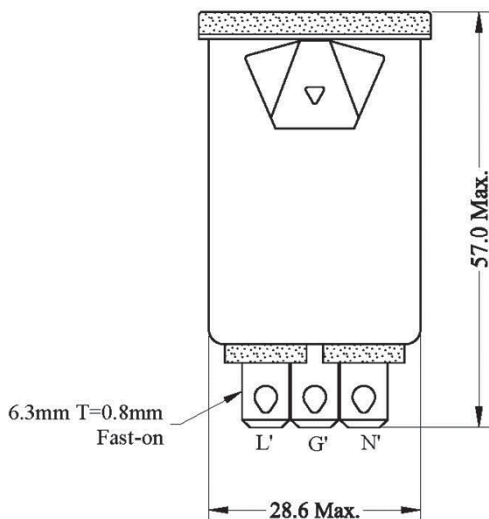
———— Common mode/Asymmetrical(L-G)
----- Differential mode/Symmetrical(L-L)



3.Mechanical dimensions:



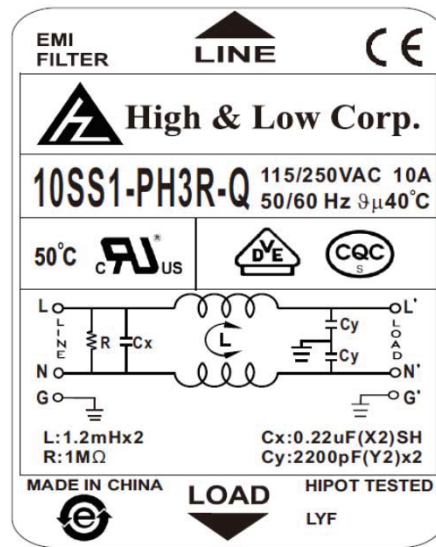
SUGGESTED PANEL CUTOUT
(MOUNTING FROM FRONT)
THICKNESS OF PANEL IS FROM
0.8mm To 1.6mm



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

Instruction For Label

Content of the label :



Label position :

