

APPROVAL SHEETS

Customer 捷森電子工業股份有限公司

Customer No.

Description EMI /RFI FILTER

Product Name

Project No.

Our Part No.

Your Part No.

Safety Approvals



Date 28-Feb-23

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

CONTENT

Description	Page
1. Revision history	3
2. Compliance Checklist for Customer Specification.....	4
Customer specification Review	4
3. Derating curve of current	5
4. Typical filter attenuation.....	5
5. Electrical schematic.....	6
6. Label	6
7. Mechanical dimension	7
8. Fuse Specification.....	8
9. CE DOC	9
10.UKCA DOC	10

SPECIFICATION

1. Revision history

Customer P/N	06SS3-1LSR-Q			Rev.	1.0	Part NO.	06SS3-1LSR-Q
Part name	EMI FILTER	PRJ	0631LSRQ01		HAL model	06SS3-1LSR-Q	

Prepared by	Reviewed by	Approved by
WangShiJia	 RD Dept. 2023.02.28 Toby Zhang	 RD Dept. 2023.02.28 James Jiang

SPECIFICATION

Page 4 of 10

2. Customer specification compliance checklist

Part name	EMI FILTER		
Customer part number	06SS3-1LSR-Q		
HAL model number	06SS3-1LSR-Q	PRJ	0631LSRQ01

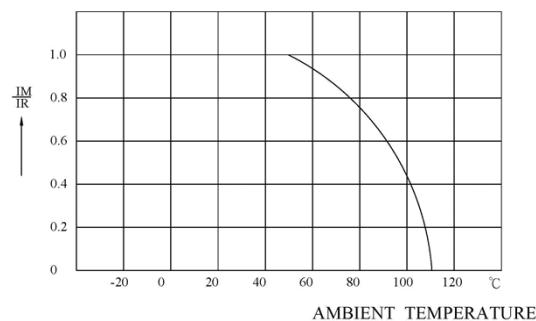
Customer specification review

No.	Description				
	Function and area of application				
	EMI FILTER				
1	General requirements	Single			
2	Allowable input voltage range:	85~275	VAC		
3	Operating frequency:	50/60Hz			
4	Current rating:	6A	@50°C		
5	AC leakage current:	0.25mA	@115VAC/60Hz	0.45mA	@250VAC/50Hz
6	Inrush Current:	Products used in 50/60Hz power system, the maximum current of 50 times the rated current is allowed in the 1/4 cycle.			
7	Function Requirements				
	Common mode inductor Σ:	0.3	mH	-30%~+50%	@100KHz 0.25V
	Differential mode inductor Σ:	N/A	mH	-30%~+50%	@100KHz 0.25V
	Grounding inductor Σ:	N/A	mH	-30%~+50%	@100KHz 0.25V
	Common mode capacitors Σ:	4400	pF	-20%~+20%	@1KHz 1V
	Differential mode capacitors Σ:	0.1	uF	-10%~+10%	@1KHz 1V
	Resistor Σ:	1	MΩ	-10%~+10%	@1KHz 1V
8	MTBF@50°C/250V(Mil-HB-217F)	2,200,000	Hours		
9	Safety Requirements (If Hi-pot is VDC test, the voltage rise time 3 seconds):				
	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			
		If the discharge resistor cannot be disconnected without the filter being destroyed, the test shall be omitted for lot-by-lot tests			
	DCR:	2Ω Max @input to output			
	GB:	100mΩ Max @25A			
	Ambient Temperature:	@50°C			
	Operating Temperature:	-25°C~110°C			
	Climatic Category:	25/110/21			
10	Design corresponding to:	UL1283, IEC/EN60939			
11	Safety Approvals				
	UL/CUL File No:	E179761			
	VDE File No:	40008349			
	CQC File No:	CQC09001034229			
	CE DOC:	See attachment			
	UKCA DOC:	See attachment			
12	Declare:	Comply with RoHS 2011/65/EU.2015/863/EU and REACH 2006/1907/EC			
		Comply with IEC60320			

3. Derating curve of current

When ambient temperature is over 50°C, maximum applied current depends upon the following curve

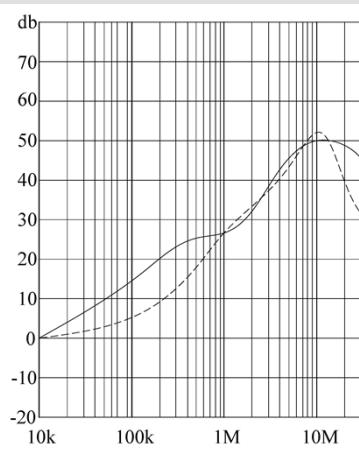
IM: Maximum current
IR Rated current 6A@50°C



4. Typical filter attenuation

Insertion loss (dB) in 50Ω system cisper 17

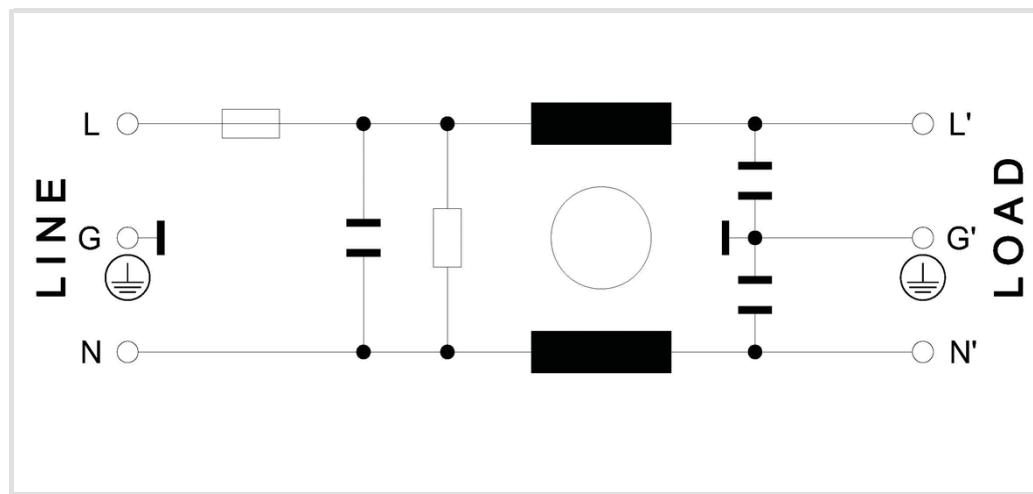
— Common mode/Asymmetrical(L-G)
- - - - Differential mode/Symmetrical(L-L)



SPECIFICATION

Page 6 of 10

5. Electrical schematic

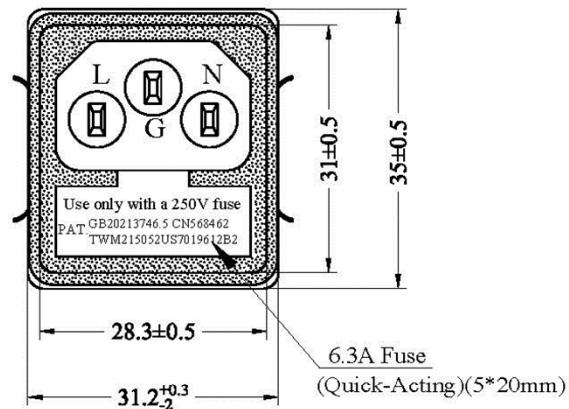


6. Label

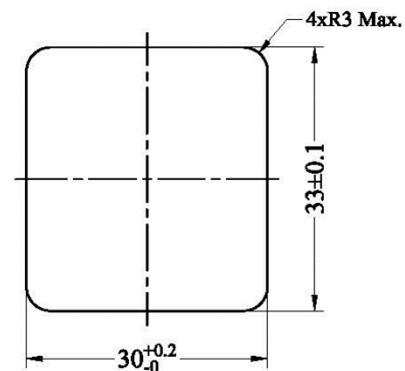
Content of the label :



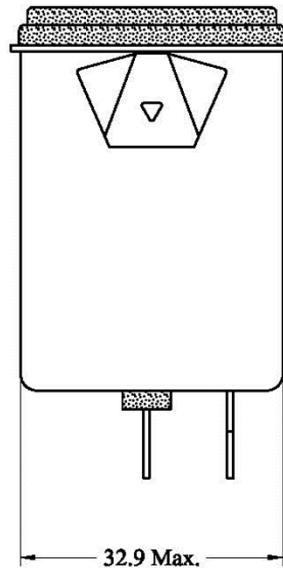
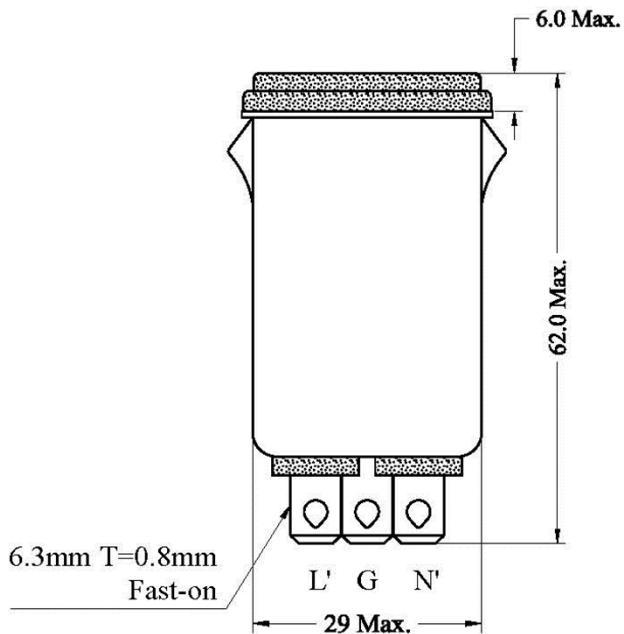
7. Mechanical dimensions:



PULL-OUT FORCE FOR
FUSEHOLDER IS 1.3~2.0KGF
(Single Fuse)

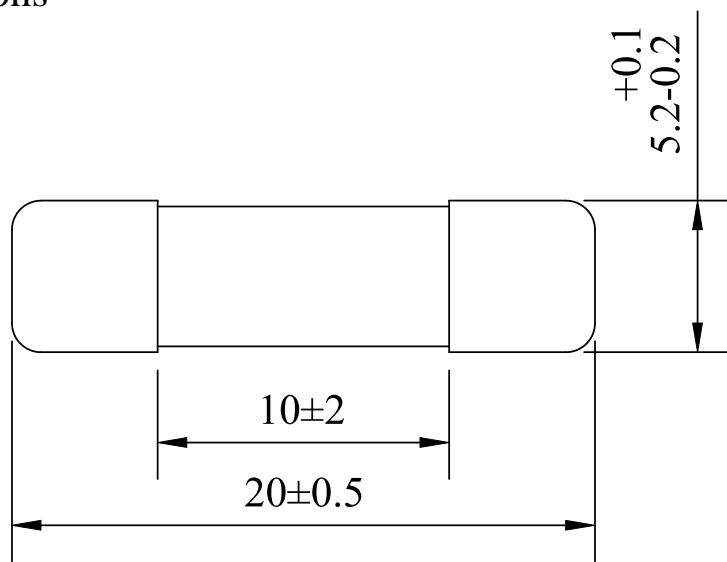


SUGGESTED PANEL CUTOUT
(MOUNTING FROM FRONT)
THICKNESS OF PANEL IS FROM
0.8mm To 1.6mm



SPECIFICATION

1. Mechanical dimensions



2. Safety Approvals

	File No.	
	Hollyland (50CF)	
SEMKO	1713316	
VDE	40020380	
BSI	KM52652	
UL/CUL	E156471	
CCC	2020970207000175	
KC	1A~2.5A	SU05008-8016C
	3.15A~6.3A	SU05008-8014C
	8A~10A	SU05008-8015C
PSE	1A~5A	JET2489-31003-2007A
	6.3A~10A	JET2489-31003-2008A

DECLARATION OF CONFORMITY

Brand name or trade mark: High & Low Corporation

Type of equipment: ELECTROMANAGNETIC INTERFERENCE
(EMI) FILTERS

Type designation: 06SS3-1LSR-Q

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:
IEC60939-3:2015	According testing standard	Mr Jiang jie, R&D Manager
EN60939-3:2015	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. Apr. 2020

R&D Manager

James

Name:High & Low Corporation

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

UK Declaration of Conformity

Brand name or trade mark: High & Low Corporation

Type of equipment: ELECTROMANAGNETIC INTERFERENCE
(EMI) FILTERS

Type designation: 0631LSRQ01

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 United Kingdom Directives:

Electromagnetic Compatibility Regulations 2016

Electrical Equipment(safety)Regulations 2016

Manufacturer representative within the United Kingdom (for Manufacturer outside **United Kingdom**)

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

Standard(s)	Test Report(s)/Technical Data	Issued by:
BS EN60939-3:2015	According testing standard	Mr Jiang jie, R&D Manager

Additional information



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

Date : 20. Apr. 2020

R&D Manager

James

Name:High & Low Corporation

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