

# 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**

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## 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

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## 2. Customer specification compliance checklist

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

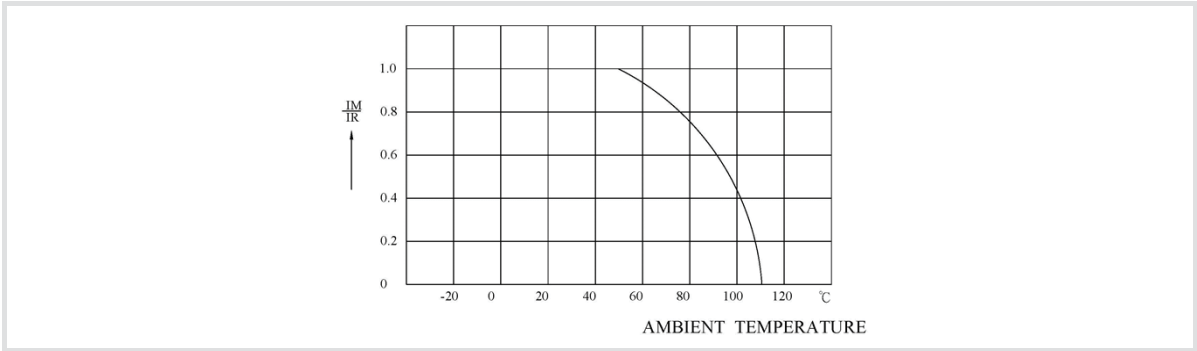
## Customer specification review

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 $\Sigma$ :	0.3	mH	-30%~+50% @100KHz 0.25V
	Differential mode inductor $\Sigma$ :	N/A	mH	-30%~+50% @100KHz 0.25V
	Grounding inductor $\Sigma$ :	N/A	mH	-30%~+50% @100KHz 0.25V
	Common mode capacitors $\Sigma$ :	4400	pF	-20%~+20% @1KHz 1V
	Differential mode capacitors $\Sigma$ :	0.1	uF	-10%~+10% @1KHz 1V
	Resistor $\Sigma$ :	1	M $\Omega$	-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:	100M $\Omega$ 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:	2 $\Omega$ Max @input to output		
	GB:	100m $\Omega$ 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

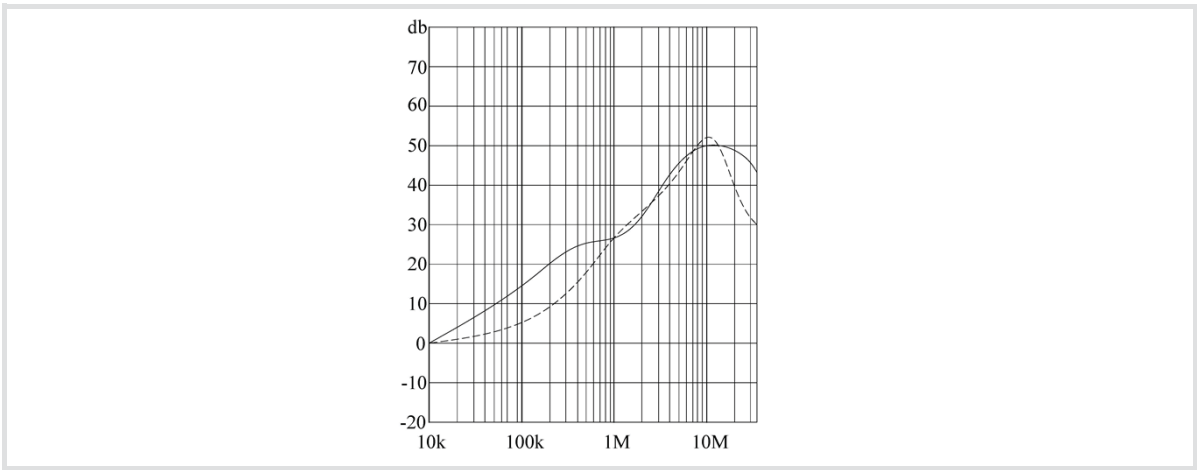
IM: Maximum current  
IR Rated current 6A@50°C



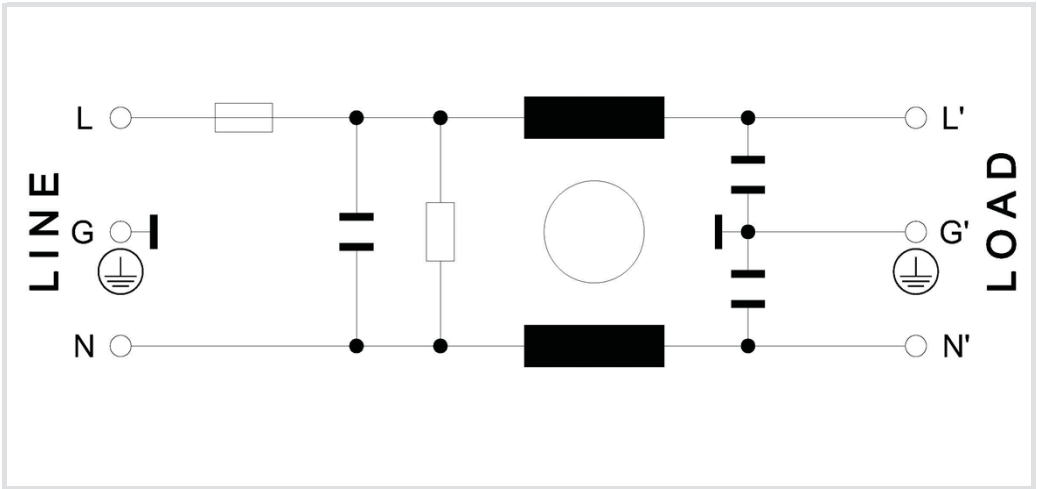
4. Typical filter attenuation

Insertion loss (dB) in 50Ω system cispr 17

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



5. Electrical schematic

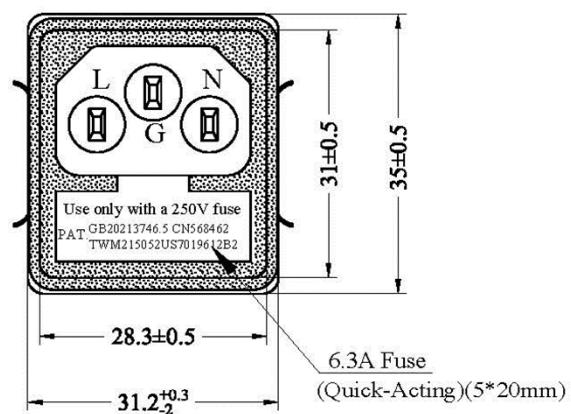


6. Label

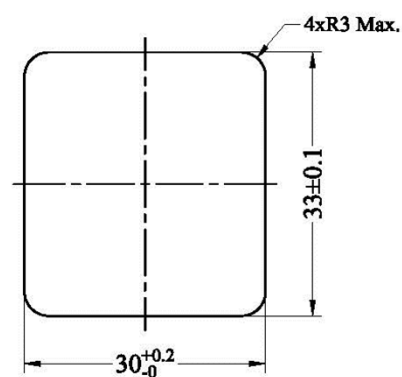
Content of the label :



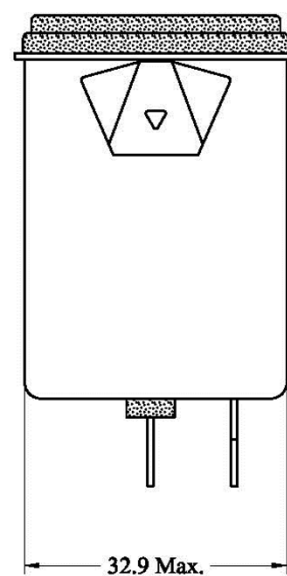
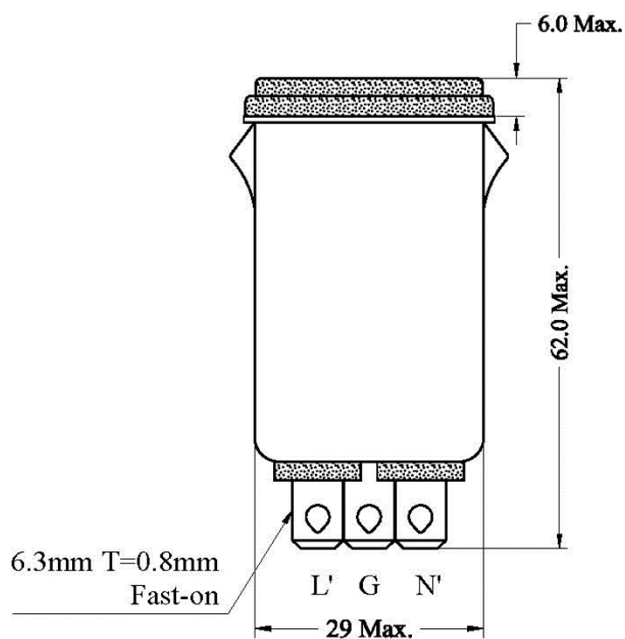
## 7.Mechanical dimensions:



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

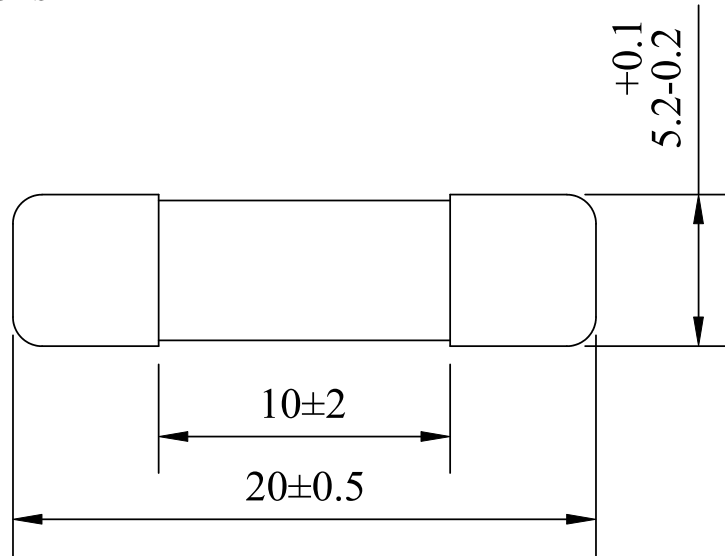


SUGGESTED PANEL CUTOUT  
(MOUNTING FROM FRONT)  
THICKNESS OF PANEL IS FROM  
0.8mm To 1.6mm



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

## 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)**

BS EN60939-3:2015

**Test Report(s)/Technical Data**

According testing standard

**Issued by:**

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