SPECIFICATION

2. Customer specification compliance checklist

Part name		EMI FILTER	
Customer part number		10SS3-2S-Q	
HAL model number	10SS3-2S-Q	PRJ	

Customer specification review

No.	Description				
	Function and arer of application EMI FILTER				
1	General requirements	Single			
2	Allowable input voltage range:	85~275	VAC		
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	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:	0.2	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:	0.1	uF	±10%	@1KHz 1V
	Resistor Σ:	N/A	MΩ	±10%	@1KHz 1V
8	MTBF@50℃/250V(Mil-HB-217F)	1,350,000	hours		
9	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:	2Ω Max @input to output			
	GB:	100mΩ Max @25A			
	Ambient Temperature:	@50℃			
	Operating Temperature:	-25℃~110℃			
	Climatic Category:	25/110/21			
10	Design corresponding to:	UL1283,IEC/EN60939			
11	Safety Approvals				
	UL/CUL File No:	E179761			
	VDE File No:	40008349(SS3)			
	CQC File No:	CQC09001034229(SS3)			
	CE:	See attachment			
12	Electrical schematic:	See Fig-1			
13	Derating curve of current:	See Fig-2			
14	Typical filter attenuation:	See Fig-3			
15	Declare:	Comply with RoHS 2011/65/EU.2015/863/EU and REACH 2006/1907/EC Comply with IEC60320			

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Fig-1 Electrical schematic

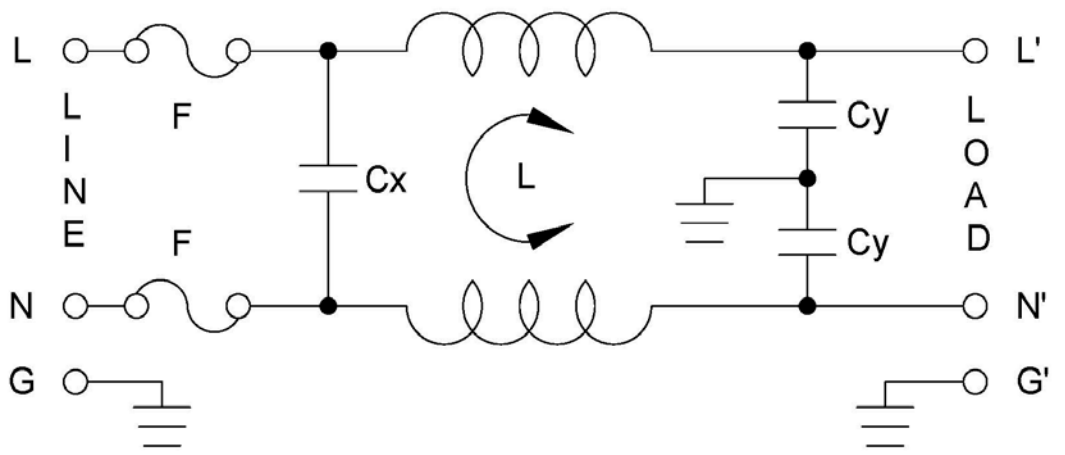


Fig-2 Derating curve of current

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

IM: Maximum current
IR Rated current 10A@50℃

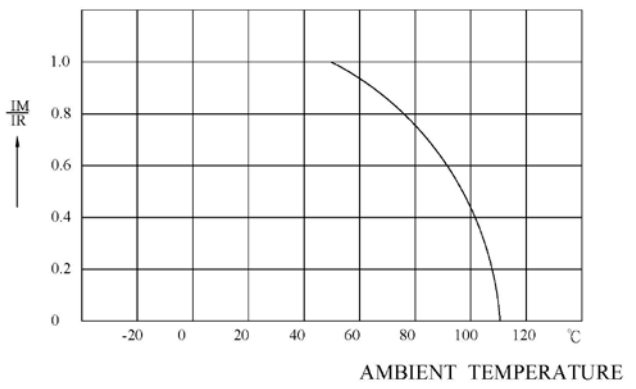
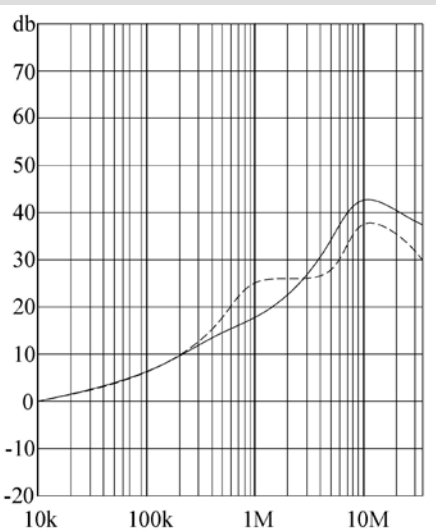


Fig-3 Typical filter attenuation

Insertion loss (dB) in 50Ω system cisper 17

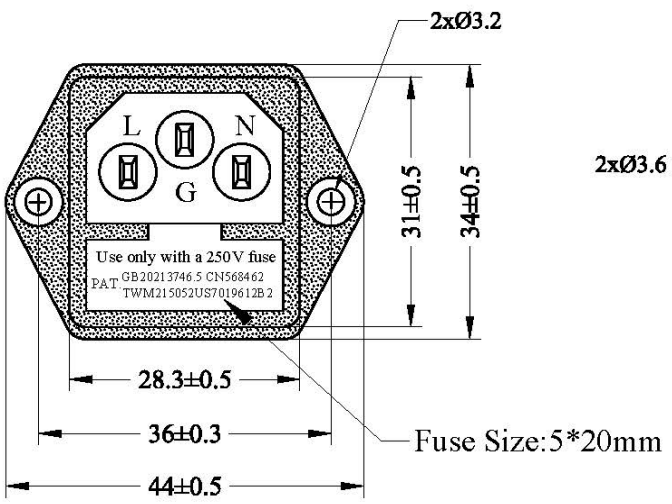
———— Common mode/Asymmetrical(L-G)

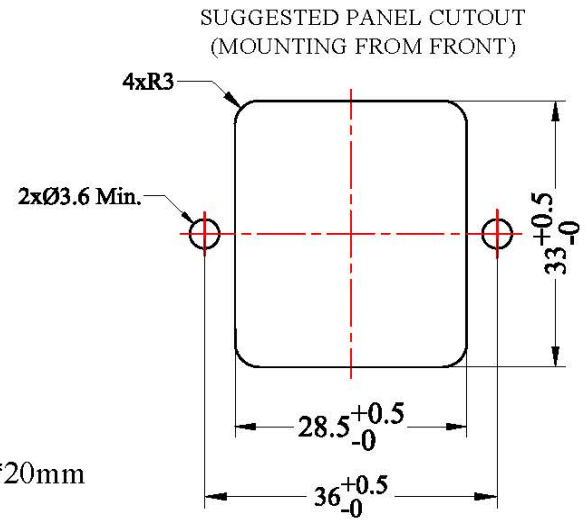
---------- Differential mode/Symmetrical(L-L)



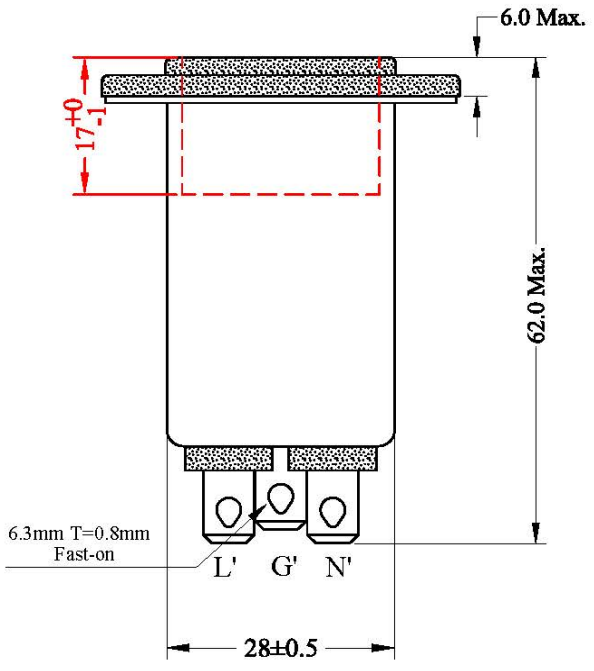
SPECIFICATION

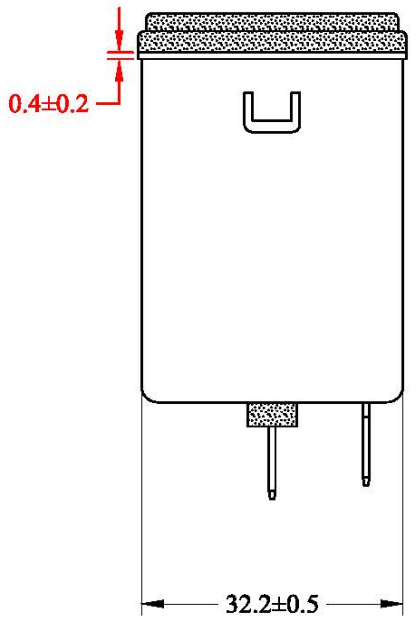
3.Mechanical dimensions:





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





Unit:mm
For Dimensions Without Tolerance

HAL-CE181209

DECLARATION OF CONFORMITY

Brand name or trade mark: High & Low Corporation

Type of equipment: ELECTROMANAGNETIC INTERFERENCE (EMI) FILTERS

Type designation: 10SS3-2S-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:**
IEC60939:2005	According testing standard	Mr Jiang, R&D Manager
EN60939:2005	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. April. 2016

R&D Manager

James

JACKSON ELECTRONICS IND. CORP.

JACKSON ELECTRONICS IND. CORP.
捷森電子工業股份有限公司