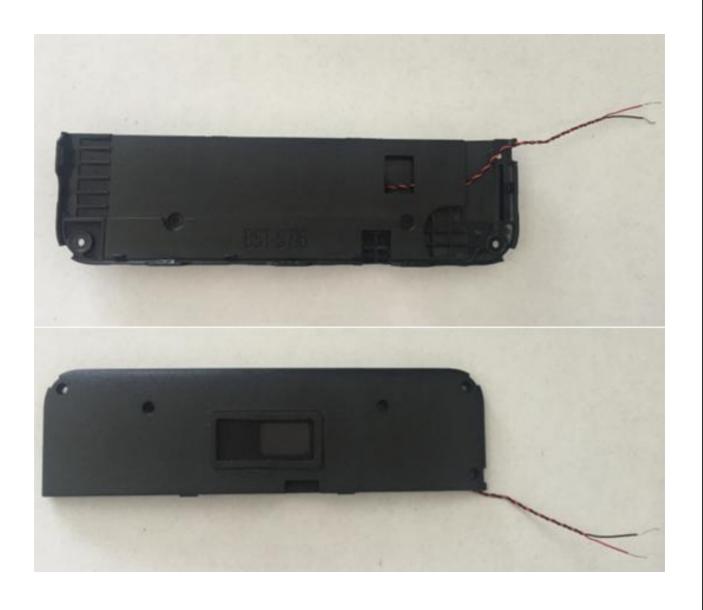
## **SPECIFICATION**

BBS716-L4.9





文件号: BS/QDTE045B



# APPROVAL SHEET FOR SMARTPHONE SPEAKER

TOTAL PAGE | 13 | www.bestargroups.com | RoHS

Customer		Model Name	BBS716-L4.9
Customer P/N		Product No.	130131
Date	04 Aug 2017	Issue No.	BS/TES01.1689A
Page	02 of 13	Issue Date	2017/08/04

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- 1.Test Climatic Condition
- 2.Description
- 3. Characteristics
- 4.Test Setup
- 5.Drawing
- 6.Reliability Test
- 7.Packing
- 8. History Change Record

Drawn by	Checked by	Approved by	Customer approved			
杨紫群	张勇磊	张勇磊				

## BESTAR HOLDING CO.,LTD

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文件号: BS/QDTE045B

## BBS716-L4.9

## 1.Test Climatic Condition

- 1.1 Ambient Temperature :15°C~35°C,Preferably at 20°C
  - 1.2 Relative Humidity:25% to 75%
  - 1.3 Air Pressure:86kPa~106kPa

No.	Item	Specification				
1.	Dimension	105 x29.9 x 4.9(mm)				
2.	AC Impedance	6 Ω ±15%(at 2KHz/1Vrms)				
3.	Rated Input Power	0.9W/2.37V (in 1cc box)				
4.	Maximum Input Power	1.3W/2.83V (in 1cc box)				
5.	Resonance Frequency	500Hz ±20% (in free airi)				
6.	Resonance Frequency	equency 780Hz ±20% (in 1.0cc box)				
7.	Frequency Response	F0~20KHz				
8.	S.P.L	92±3dB/0.1m/0.9W at 2KHz				
9.	THD	≤15% (at 1KHz/0.9W)				
10.	Buzzes & Rattles	Must be normal at sine wave 2.37Vrms(in box)				
		from 200~3400Hz				
11.	Polarity	Positive voltage to (+),Diaphragm moves forward				
12.	Operating Temperature	-20~+ 70°C				
13.	Storage Temperature	-20~+ 70°C				
14.	Weight ~1.7g±0.3g					

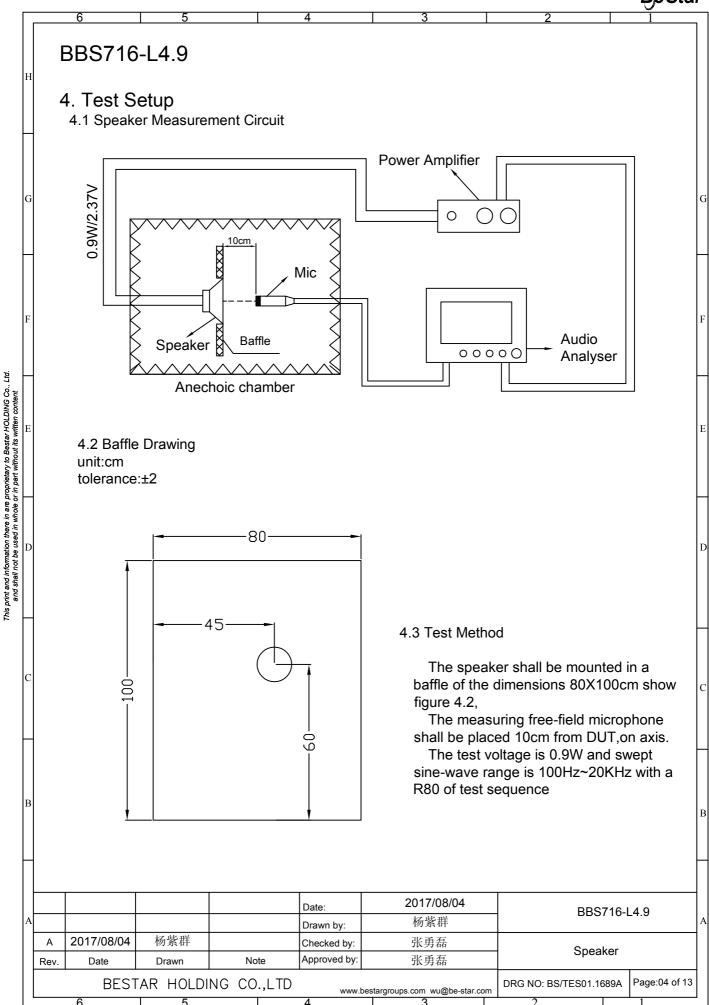
## 2.Description

- 2.1 Acoustic component Performance Specification
- 2.2 The present document specifies performance requirements for the acoustic characteristics of speaker

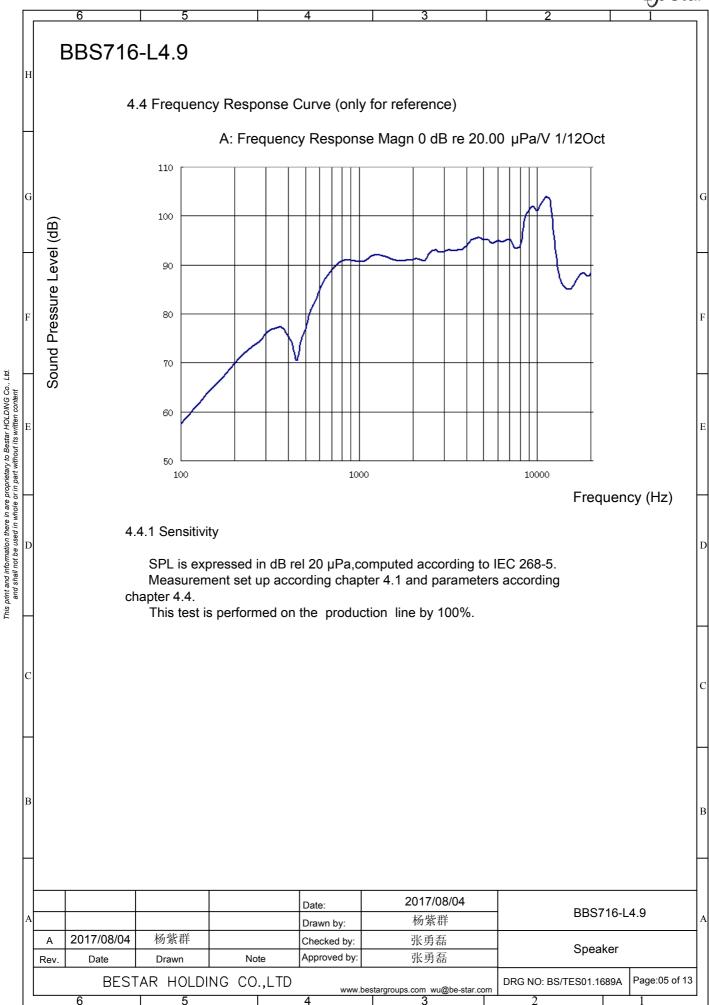
### 3. Characteristics

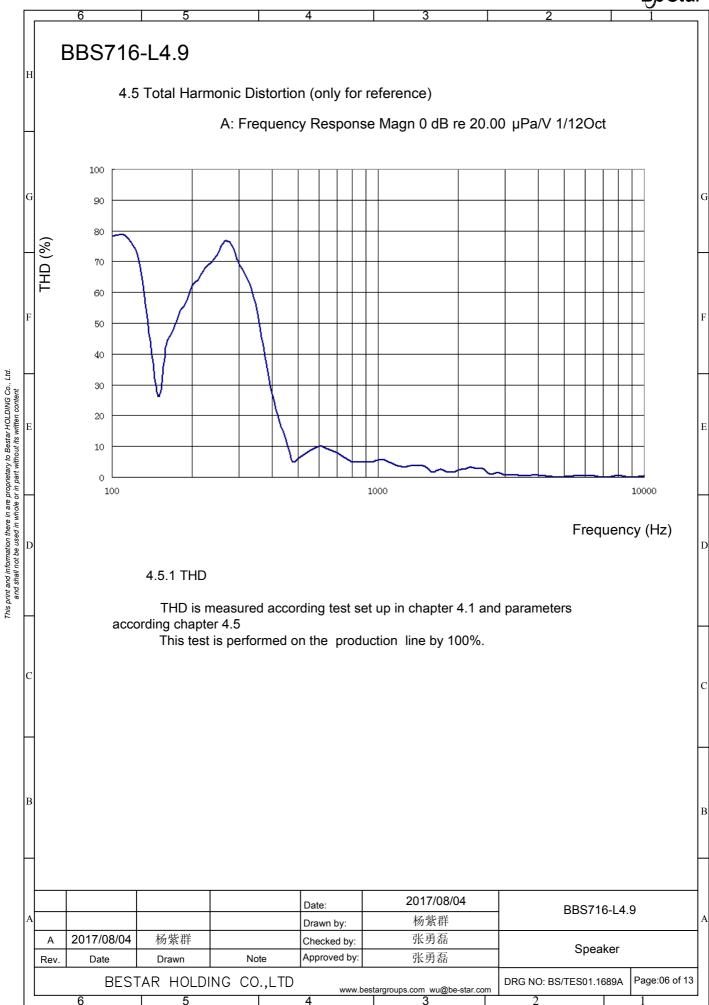
3.1 Electrical and Mechanical Characteristics

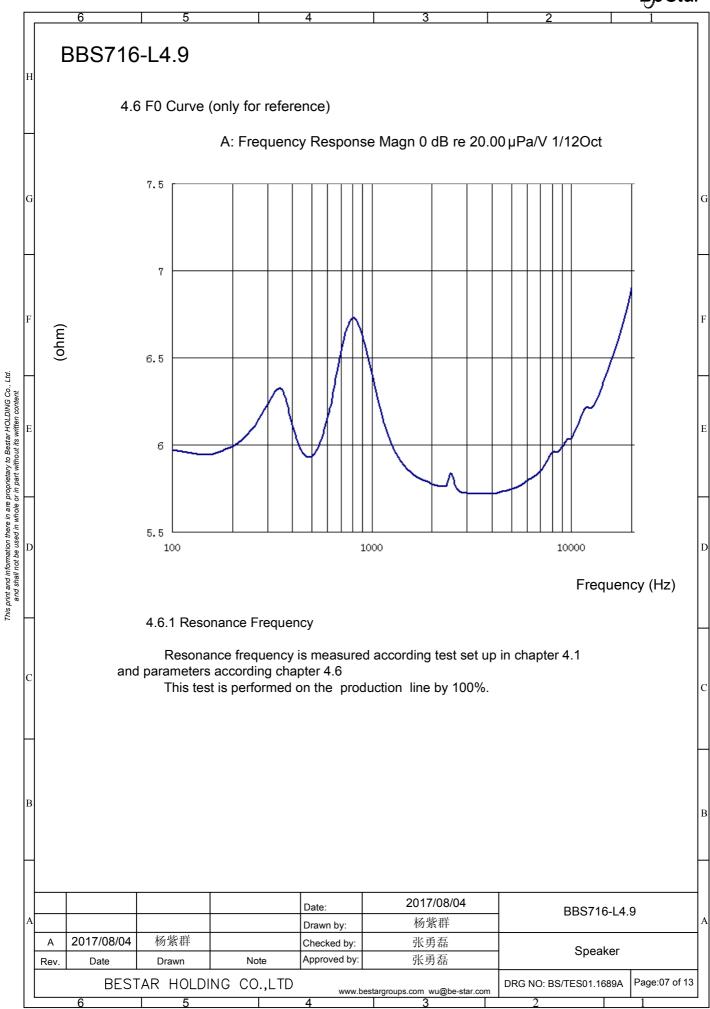
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	Rev.	Date	Drawn	No	te	Approved by:	张勇磊	Speaker				
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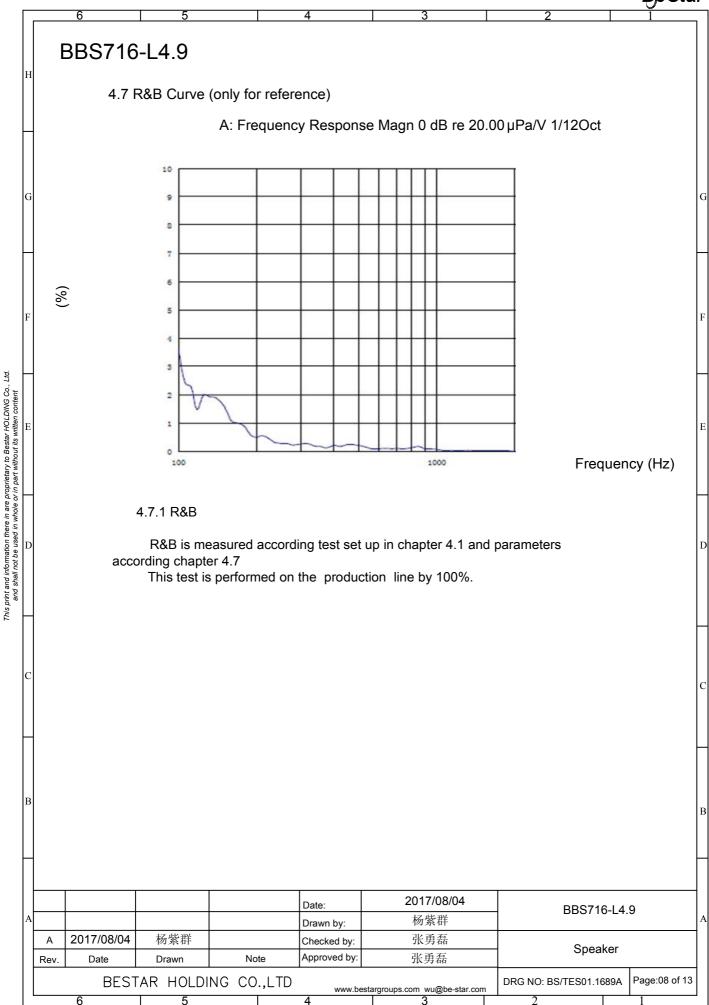


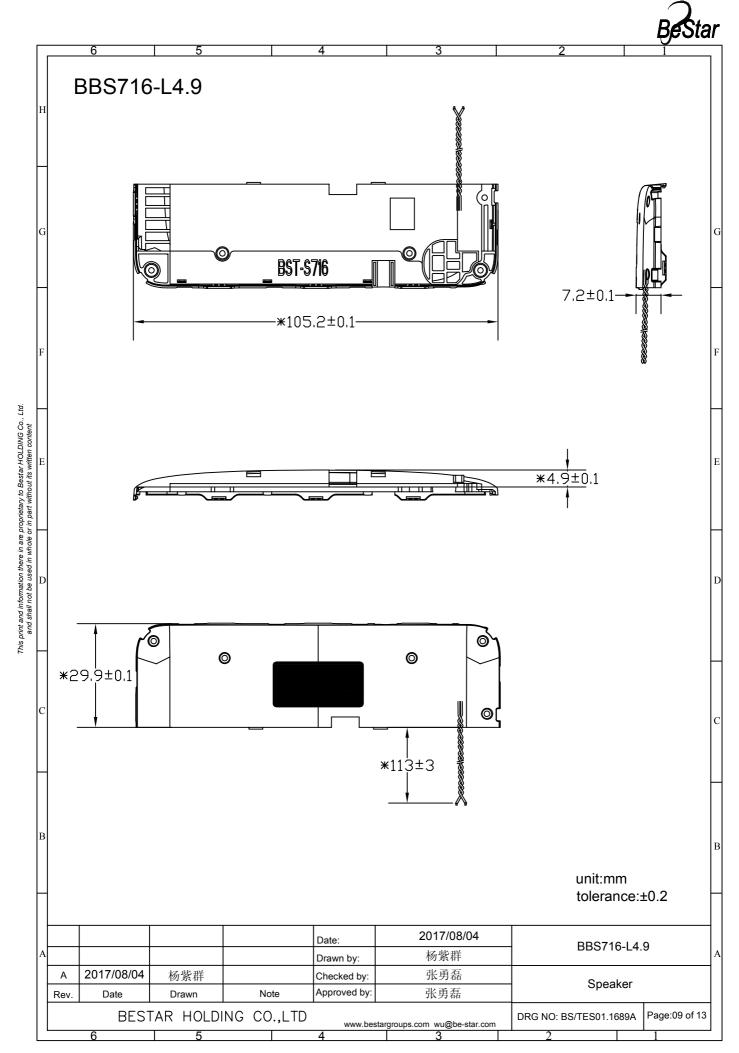
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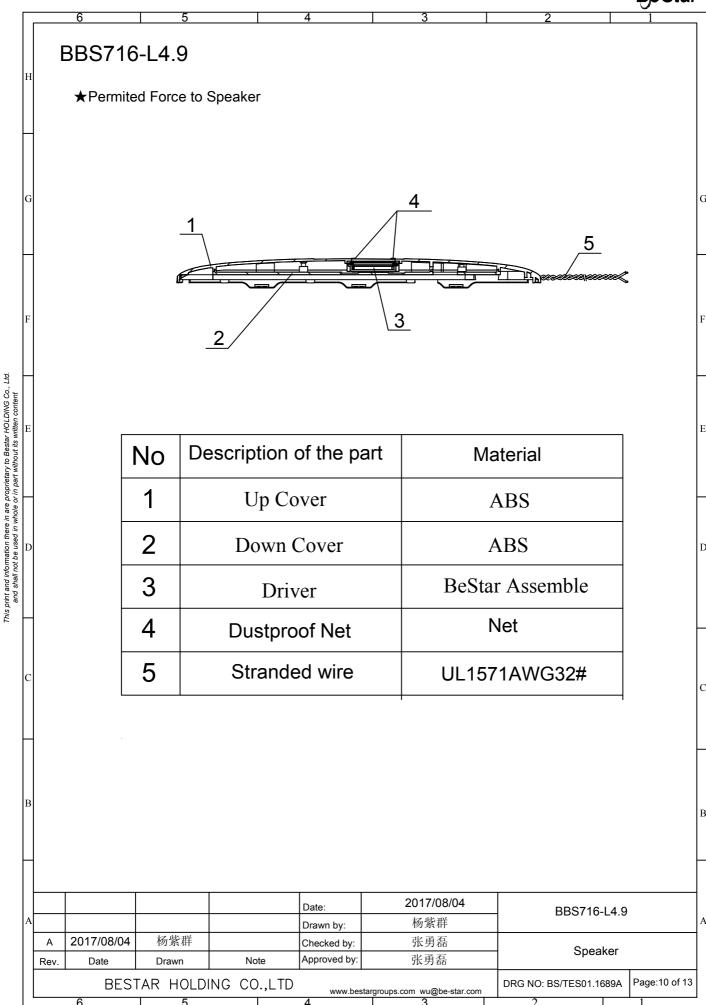








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### BBS716-L4.9

## 6. Reliability Test

6.1 Load Test

Power (Nom) 0.9W(in Pink noise in 1cc box)

Duration 96hrs

6.2 High Temperature Test

Temperature +70±3°C Duration 96hrs

6.3 Low Temperature Test

Temperature -20±3°C Duration 96hrs

6.4 Damp Heat

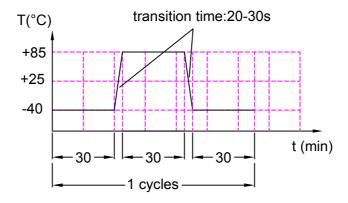
Temperature 40±3°C

Relative Humidity 90%-95%RH

Duration 96hrs

6.5 Temperature Cycle Test

Cycles 10



6.6 Drop Test

Height 1.0m

Drop face thick ness wooden board (20mm)

Times 10

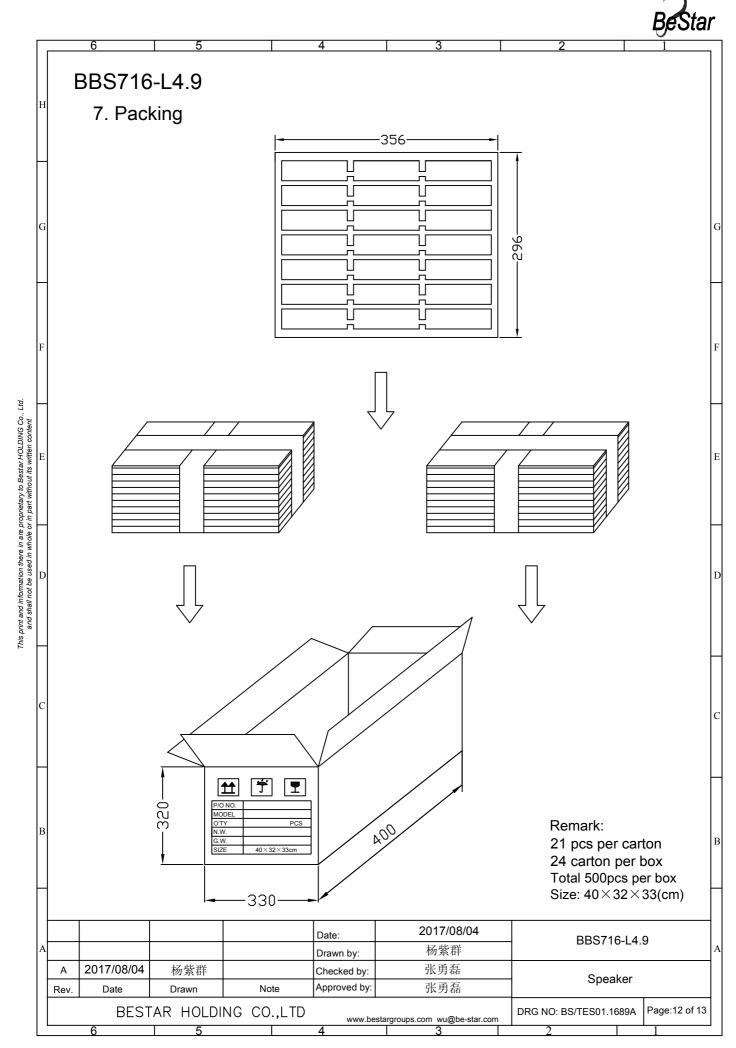
(three times in each direction)

#### Notice:

- 1.Immediately after reliability test, the samples shall be stored under climatic conditions such as normally exist in ordinary rooms or laboratories. Unless otherwise noted, the recovery period shall be 4hrs at least before performance testing.
- 2. After reliability test ,all samples must be meet the requirements specified
- 3. Sensitivity difference at 2~5KHz shall be within ±3dB from initial value after test.

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	Rev.	Date	Drawn	Note	9	Approved by:	张勇磊	Speaker			
BESTAR HOLDING CO.,LTD					,LTD	www.best	argroups.com wu@be-star.com	DRG NO: BS/TES01.16	689A	Page:11 of 13	
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## BBS716-L4.9 8. History Change Record Change Items version Date Drawn Approved No. Before After 张勇磊 杨紫群 This print and information there in are proprietary to Bestar HOLDING Co., Ltd. and shall not be used in whole or in part without its written content 2017/08/04 Date: BBS716-L4.9 杨紫群 Drawn by: 2017/08/04 张勇磊 杨紫群 Checked by: Speaker Approved by: 张勇磊 Note Rev. Drawn BESTAR HOLDING CO.,LTD Page:13 of 13 DRG NO: BS/TES01.1689A