

DYNAMIC SPEAKER

Customer	
Customer P/O	
Bestar Model Name	BLS50-1-50H18.2
Issue No.	BS/TES01.009A
Issue Date	02/03/22

Approval:

- 1.Technical Terms
- 2.Drawing
- 3.Reliability test
- 4.Packing



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BLS5-1-50H18.2



1. Technical Terms

No.	Item	Specifications
1.	Size	ϕ 50*18.5mm
2.	Impedance at 1KHz	50 \pm 15% Ω
3.	Resonance frequency	360(+0/-80)Hz
4.	Operating frequency range	300...3400Hz
5.	Rated input power	0.5w(\pm 10%)
6.	Maximum input power	1w(\pm 10%)
7.	Buzz & Rattle(at sine wave 3.54V)	must be normal
8.	T.H.D(frequency:500Hz,input power:0.1 w)	<5 %
9.	SPL (free-field-test,1m/1W)	83dB
10.	Magnet material	Ferro
11.	Material of housing (basket)	PS
12.	Connection terminals	Soldertages(acc.DIN46244) dimension 2.8*0.5 mm
13.	Operating temperature	-10...+40 $^{\circ}$ C
14.	Storage temperature	-25...+55 $^{\circ}$ C
15.	Weight	48g

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Speaker

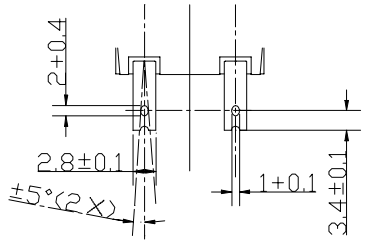
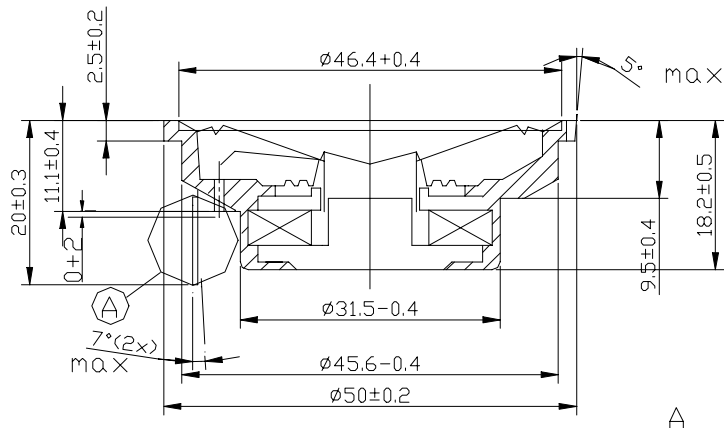
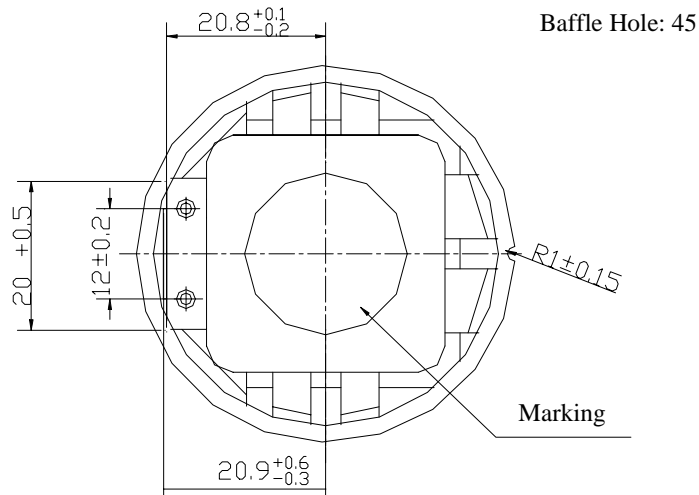
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2. Drawing



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3. Reliability Test

3.1 Load test	
Input Power	0.5W,pink noise
Duration	100hrs
3.2 Heat test	
Temperature	+55± 2° c
Duration	48hrs
3.3 Cold test	
Temperature	-10± 2° c
Duration	48hrs
3.4 Moisture test	
Temperature	+40± 2° c
Humidity	90-95%(RH)
Duration	48hrs
3.5 Drop test	
High	0.75m
Direction	X,Y&Z 3axis

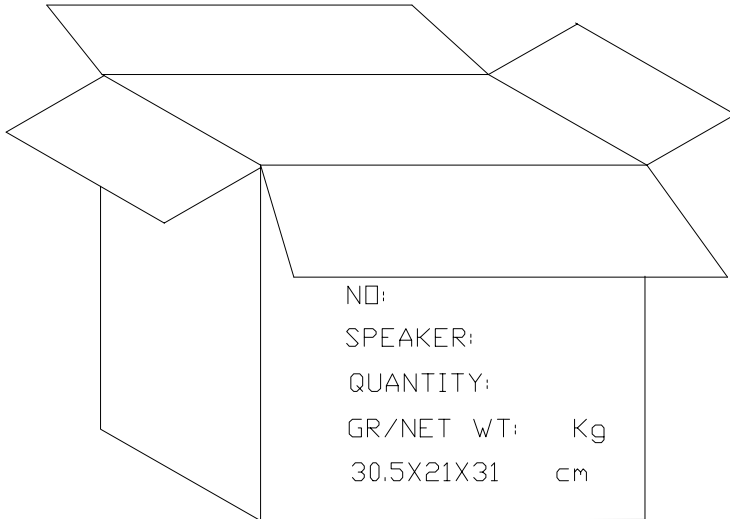
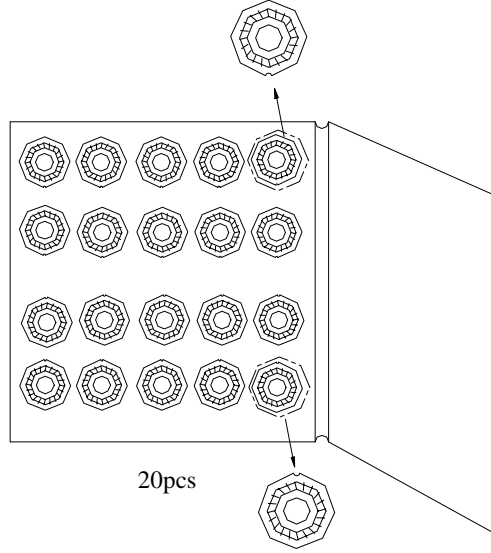
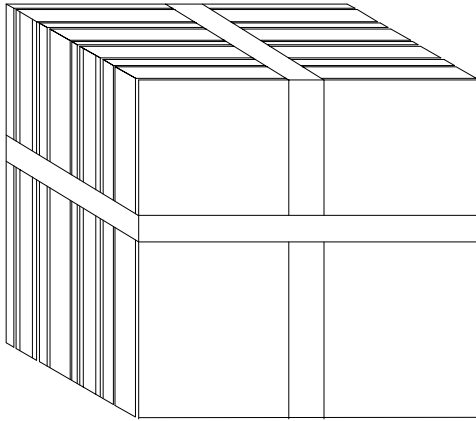
After the test,all electronic and acoustic characteristic should be satisfied with the specification.
 SPL: Deviation is of 2dB of initial value.

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4. Packing



NO:
 SPEAKER:
 QUANTITY:
 GR/NET WT: Kg
 30.5X21X31 cm

Remark:
 7pcs cardboard per carton,
 140pcs per carton,
 1pc cardboard 1pc clapboard,
 2pcs covers percarton.

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