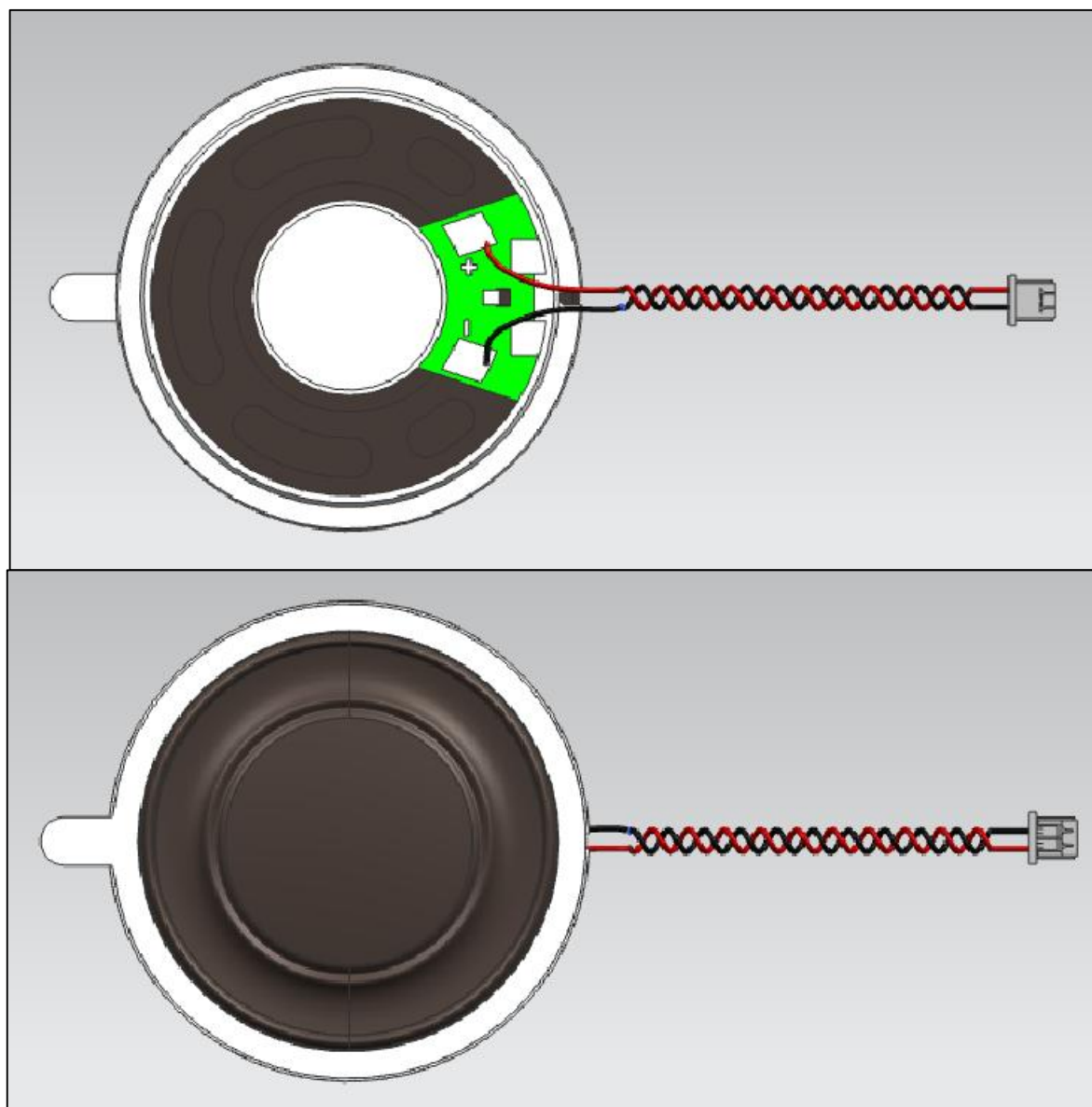


SPECIFICATION

BMS40-12B-08H7.0W075M-02





SPECIFICATION FOR DYNAMIC SPEAKER

TOTAL PAGE

09

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RoHS

Customer		Model Name	BMS40-12B-08H7.0W075M-02
Customer P/N		Product No.	130129
Date	12.Jun. 2016	Issue No.	BS/TES01.1683A
Page	01 of 09	Issue Date	2017.06.12

Approval:

- 1.Characteristics
- 2.Drawing
- 3.Bill of Material
- 4.Reliability Test
- 5.Packing
- 6.History Change Record

Drawn by	Checked by	Approved by	Customer approved
毛钰麒	莫丽丽	徐金国	

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No.199 HuangHe West Road,New district,ChangZhou,JiangSu Province,P.R.China

Tel: +86 519 88222567 **Fax:** +86 519 88222551

E-mail:wu@be-star.com **<http://www.bestargroups.com>**

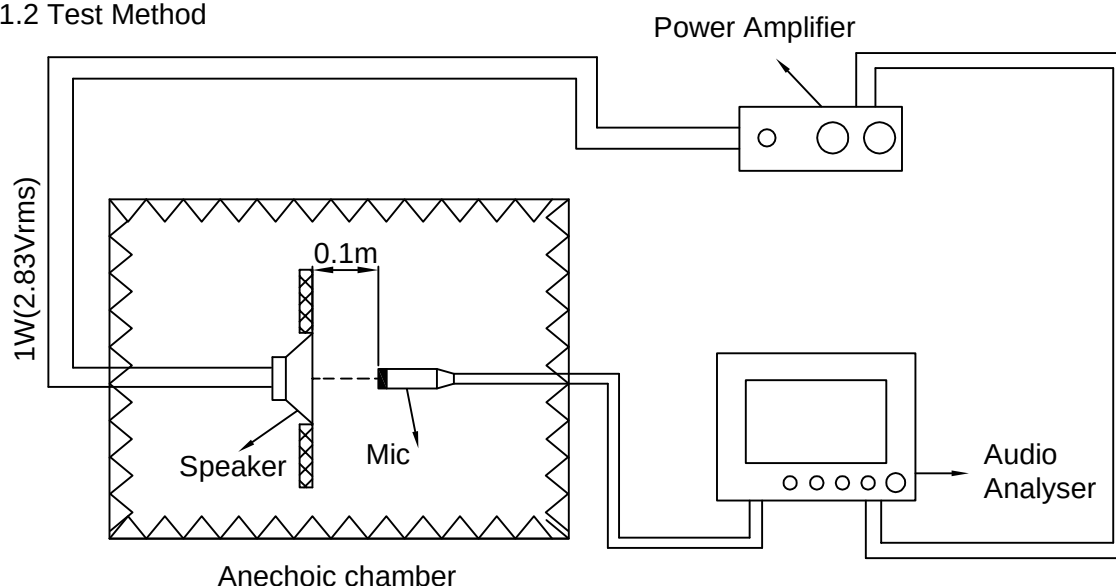
BMS40-12B-08H7.0W075M-02

1.Characteristics

1.1 Electrical and Mechanical Characteristics

No.	Item	Specifications
1.	Size	Ø40*7.0mm
2.	Impedance at 1.0KHz/1V	8±15% Ω
3.	Lowest Resonance frequency	650±15%Hz
4.	Effective frequency range	fo...10KHz
5.	Rated input power	2W
6.	Maximum input power	2.5W
7.	Buzz & Rattle(at sine wave 4V)	must be normal
8.	SPL(1W,1m) at 1K Hz	82±3dB
9	Polarity	Positive voltage to (+), the diaphragm move forward
10.	Frame Material	Metal
11.	Weight	~ 10g
12.	Operating temperature	-40...+85°C
13.	Storage temperature	-40...+85°C

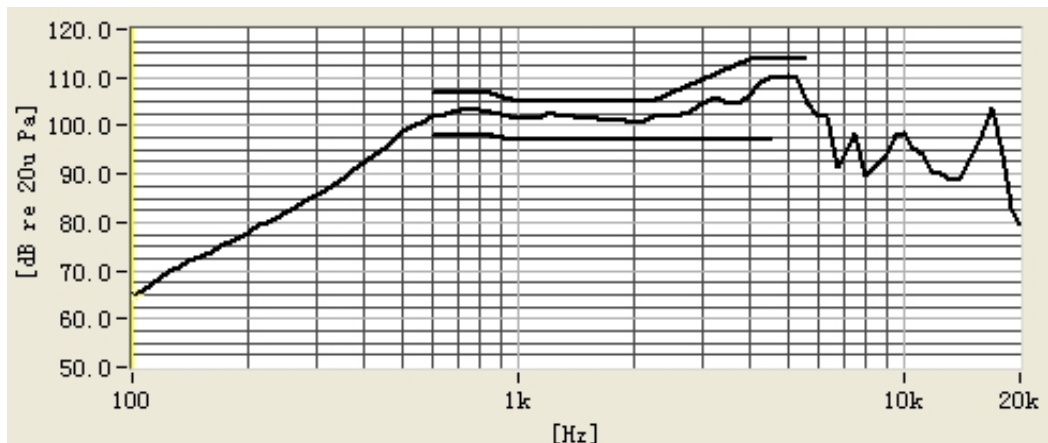
1.2 Test Method



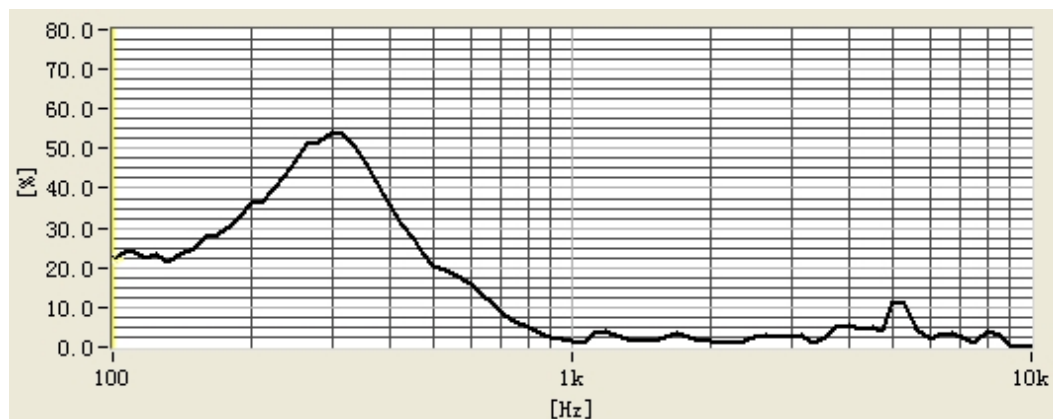
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1.3 Fundamental (1W/0.1m SOUNDCHECK testing)



1.4 THD (1W/0.1m SOUNDCHECK testing)

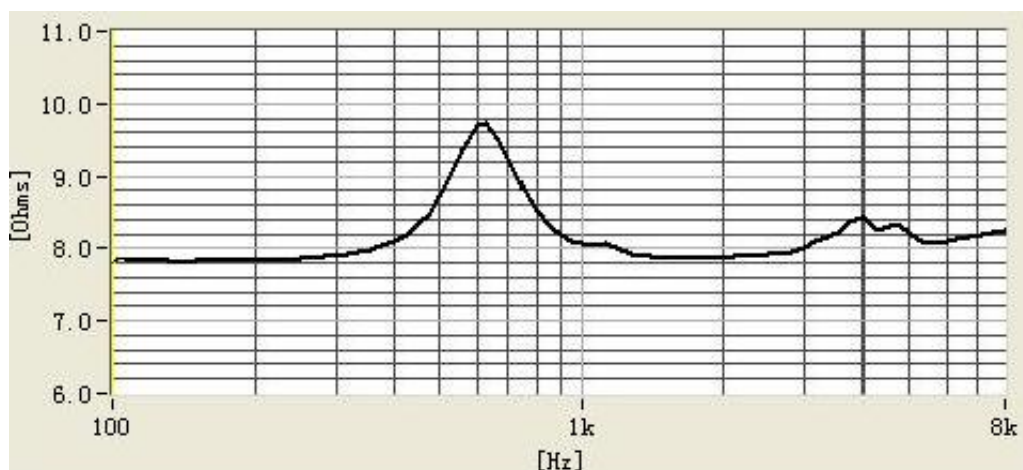


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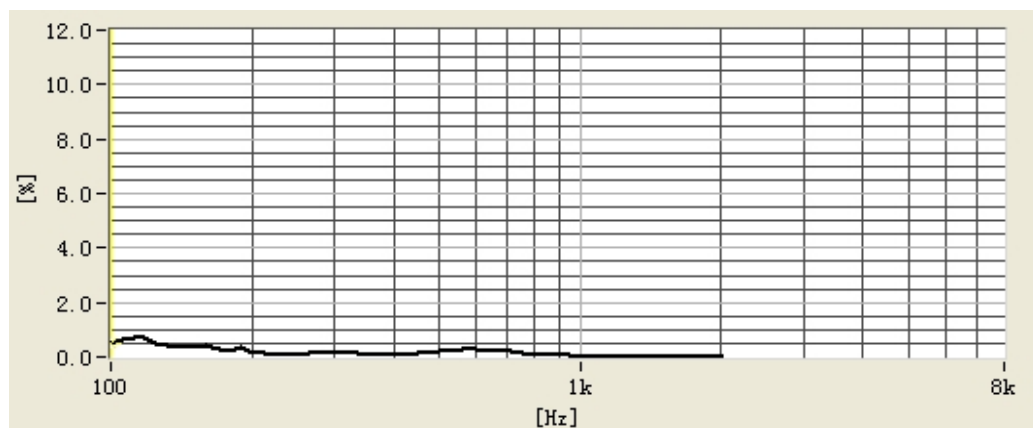
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BMS40-12B-08H7.0W075M-02

1.5 Impedance (1W/0.1m SOUNDCHECK testing)



1.6 Rub&buzz (1W/0.1m SOUNDCHECK testing)

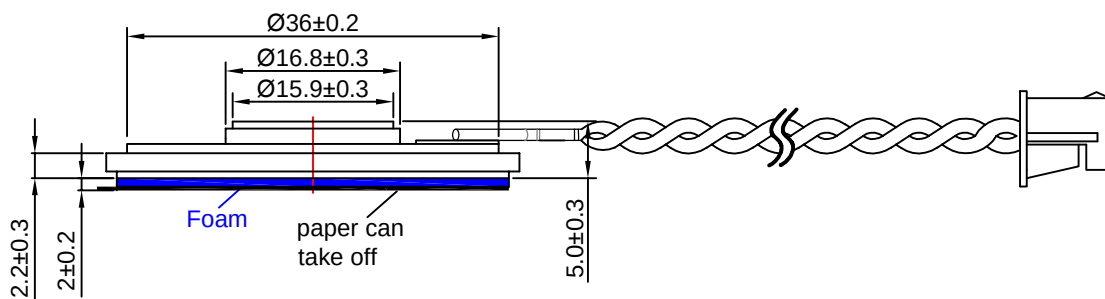
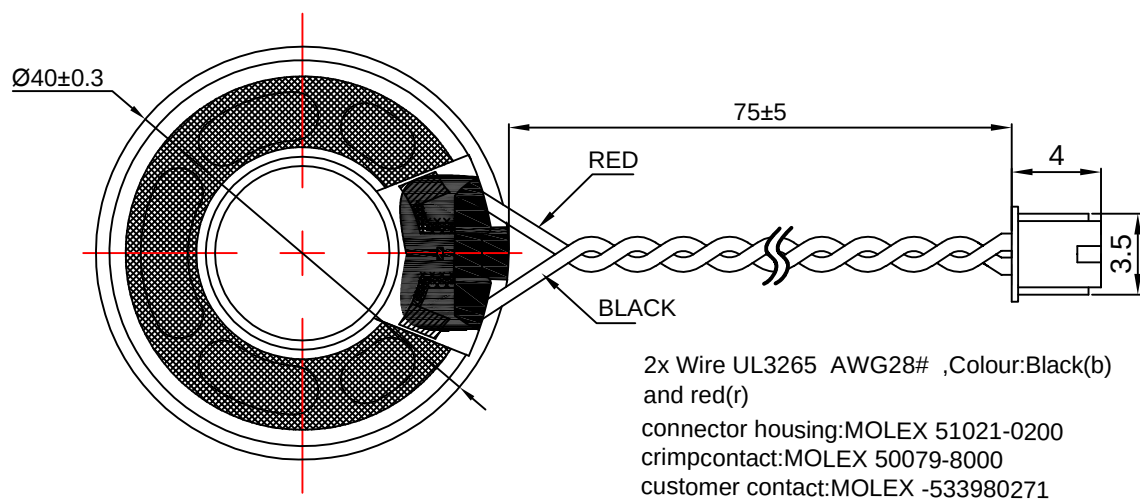


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BMS40-12B-08H7.0W075M-02

2.Drawing



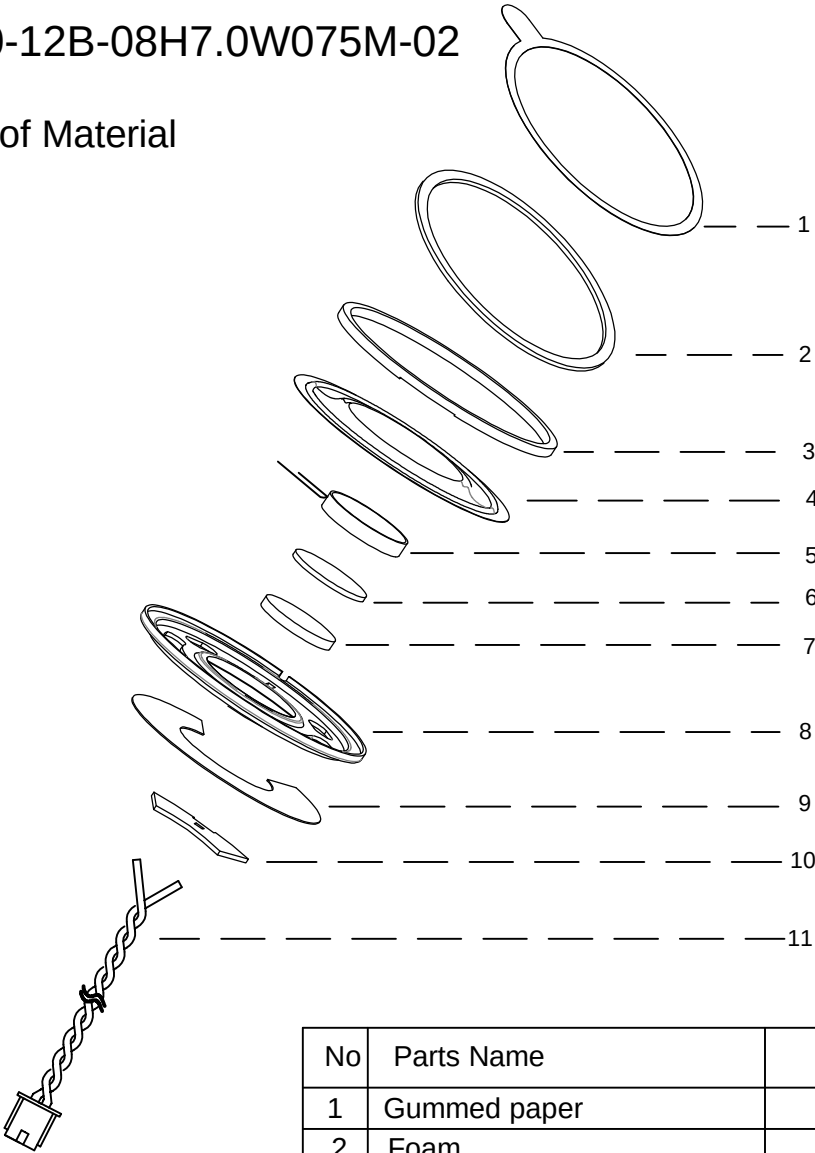
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BMS40-12B-08H7.0W075M-02

3.Bill of Material



No	Parts Name	Material
1	Gummed paper	Paper
2	Foam	EPDM
3	Blank holder	PA66
4	Diaphragm	PEN
5	Voice Coil	φ0.07 Cu
6	Plate	SPCC
7	Magnet	NdFeB
8	Frame	SPCC
9	Dust-proof net	Black non-woven
10	Circuit board	Epoxy board
11	Connector wire	Cu

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BMS40-12B-08H7.0W075M-02

4. Reliability Test

4.1 High temperature test

Temperature +85°C
Duration 1000hrs

4.2 Low temperature test

Temperature -40°C
Duration 500hrs

4.3 Temperature cycle durability:

-40°C/+85°C ≥100cycle (1 cycle=4h)

4.4 Proofness due vibrations:

sine-wave excitation;8...300Hz ,2g,
1 octaves/min; test time 16h each axes

4.5 Noise test :

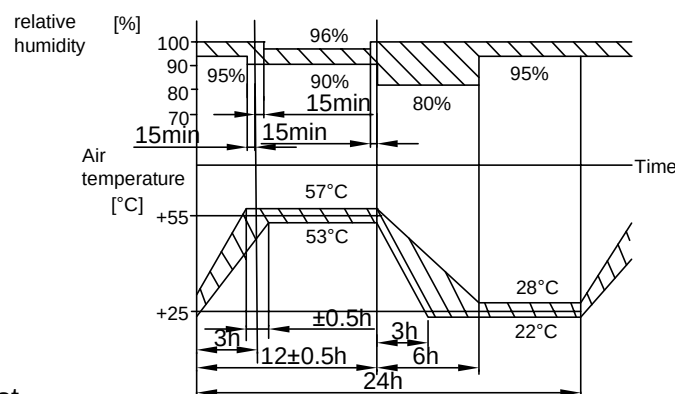
10 -50Hz: 0.01g²/Hz,acceleration 1 .9g
4V ,400~3500Hz,white noise
Test time 8h each axes.

4.6 Load Test

Power 2W(sine wave)
Frequency 650Hz
Duration 96hrs

4.7 Temperature humidity Test

1Cycle=24h Test 6 Cycle



4.8 Drop Test

Height 100cm
Direction x,y&z 3 axis
Time 6s
Dropped to 20mm thickness wooden board contained packing

After each test ,speakers should be measured after 2hrs exposed in normal temperature.

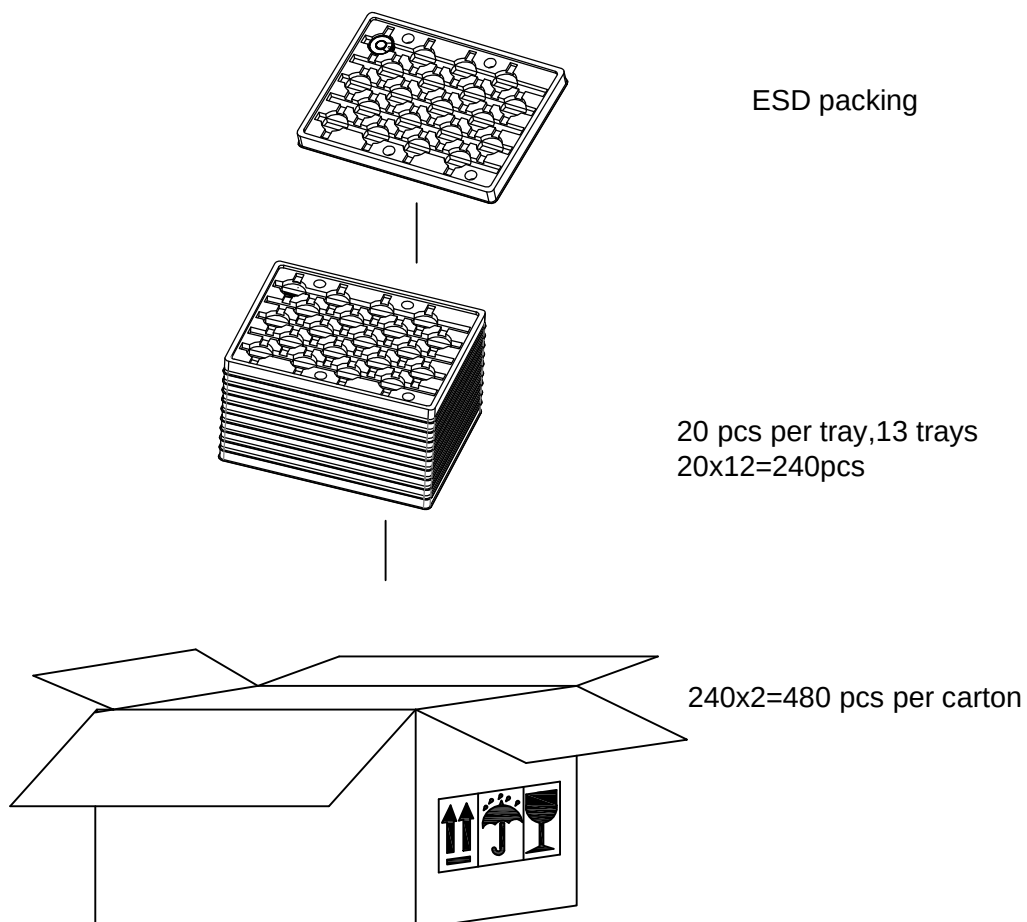
After each test,All characteristics must be satisfied in specification.

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BMS40-12B-08H7.0W075M-02

5. Packing

5.1 Packing Drawing



5.2 packing quantity

- 1) Carton size: 524x350x255mm
- 2) 20 pcs trays per carton
- 3) 240x2=480 pcs per carton

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6. History Change Record

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