EN: This Datasheet/Document is presented by the manufacturer.

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MAGNETIC TRANSDUCER

Customer	
Customer P/O	
BeStar Model Name	BMT0903H5.5
Product No.	010700
Issue No.	BS/TET01.076A
Issue Date	02/07/04

Approval:

1.Characteristic
2.Dimension
3.Environmental Test
4.Appearance
5.Packing

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BMT0903H5.5

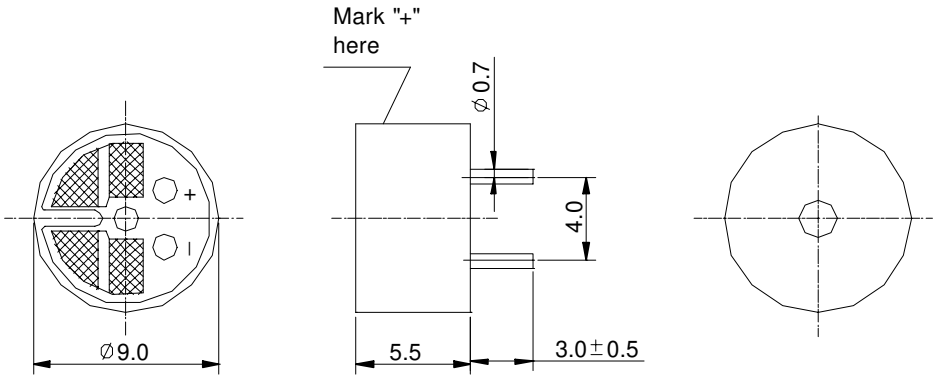


1. Characteristics:

★Electrical and Mechanical Characteristics

No	Type	Unit	BMT-09B
1	Rated Voltage	V	3
2	Operating Voltage	V	2~6
3	a)Rated Current	mA	max.80
4	Coil Resistance	ohm	25± 4
5	b)Coil Impedance	ohm	45
6	a)Sound Output at 10cm	dB	min82
7	Resonant Frequency	Hz	2731
8	Operating Temperature	° C	-25~+70
9	Storage Temperature	° C	-40~+80
10	Weight	g	1
a)Value applying rated voltage,frequency 2731Hz,1/2 duty square-wave			
b)Value applying 2731Hz,sine wave,measuring 60 μA			

2.Dimension:



Tolerance: ±0.3 Unit:mm

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CHEC.		DATE		3rd angle projection	
APPR.		DATE			Transducer

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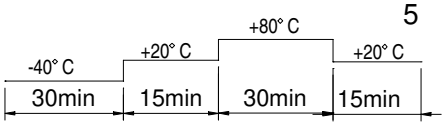
3.Environmental Test

3.1 High temperature storage test
Temperature +80° C
Duration 96hrs

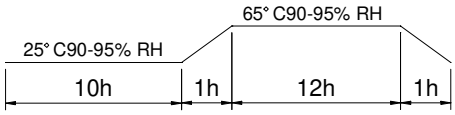
3.2 Low temperature storage test
Temperature -40° C
Duration 96hrs

3.3 Life test in normal temperature
Power supply Rated voltage
Duration 1000hrs

3.4 Temperature cycle test
Cycles 5



3.5 Humidity cycle test
Cycles 5



All these tests above should be measured after leaving normal temperature for 2hrs.

3.6 Vibration Test
Vibration Frequency 10~55Hz
Amplitude 1.53mm
Direction 3(x.y&z)
Duration 2hrs each direction (total 6 hrs)

3.7 Drop test
Height 70cm
(to 10mm thickness woodenboard)
Direction 3(x.y&z)

3.8 Solderability Test
Soldering Temperature 230° C
Duration 3 sec

Notice: All specifications must be satisfied in this condition.

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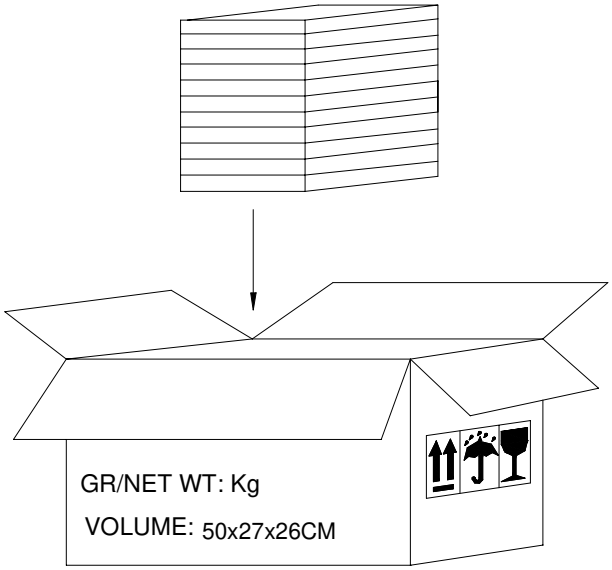
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BMT0903H5.5

4.Appearance

Appearance: without any obstacle to normal operation:damage, crack,rust and distortion,etc.

5.Packing



1)100pcs/tray

2)30tray/carton

3)3000 pcs/carton in total

4)carton size 50x27x26cm

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