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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

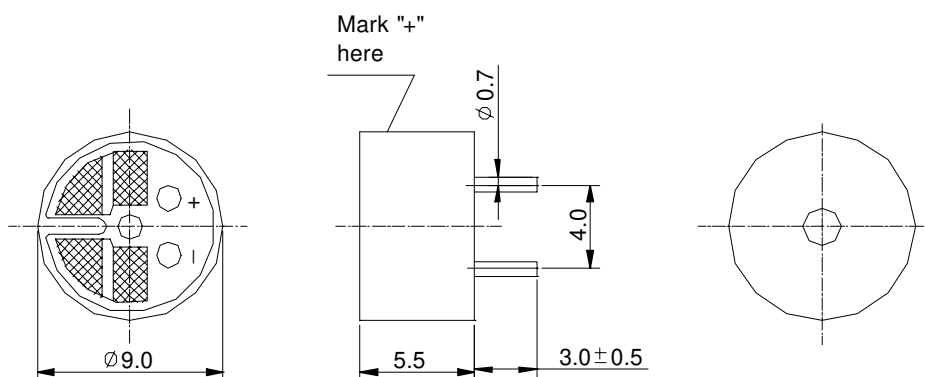


1. Characteristics:

★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 μ A			

2.Dimension:



Tolerance: ± 0.3 Unit:mm

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CHEC.		DATE		3rd angle projection	Transducer
APPR.		DATE			DRG NO BS/TET01.076A
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3.Environmental Test

3.1 High temperature storage test

Temperature +80° C
Duration 96hrs

3.2 Low temperature storage test

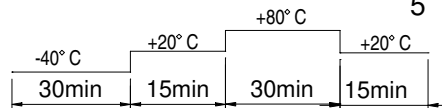
Temperature -40° C
Duration 96hrs

3.3 Life test in normal temperature

Power supply Rated voltage
Duration 1000hrs

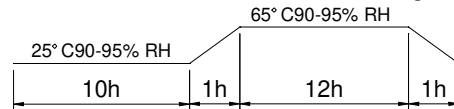
3.4 Temperature cycle test

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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DRG NO

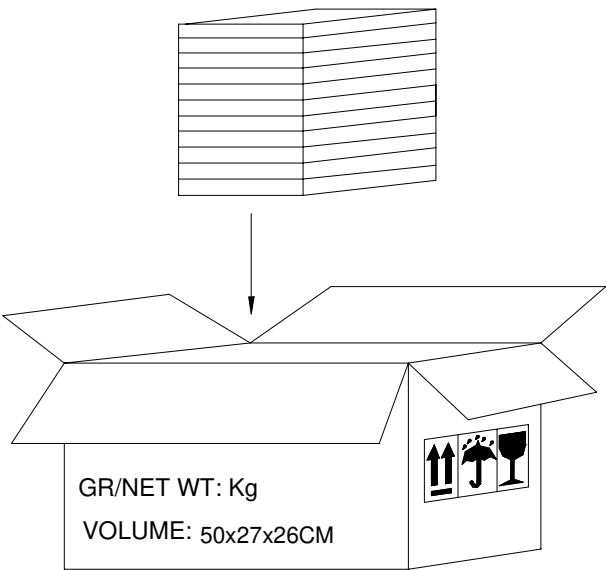
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4.Appearance

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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