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PIEZO BUZZER

Customer	
Customer P/O	
Bestar Model Name	BPT2312H05W(BZ-10)
Issue No.	BS/TEP01.079A
Issue Date	02/07/01

Approval:

- 1.Ordering Information
- 2.Technical Terms
- 3.Drawing
- 4.Reliability Test
- 5.Standard Output Measurement Setup



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BPT2312H05W

1.Ordering Information

BPT2312H05W
BPT: Bestar Piezo Transducer
23: Diameter 23 H05: height 5
W: With wire



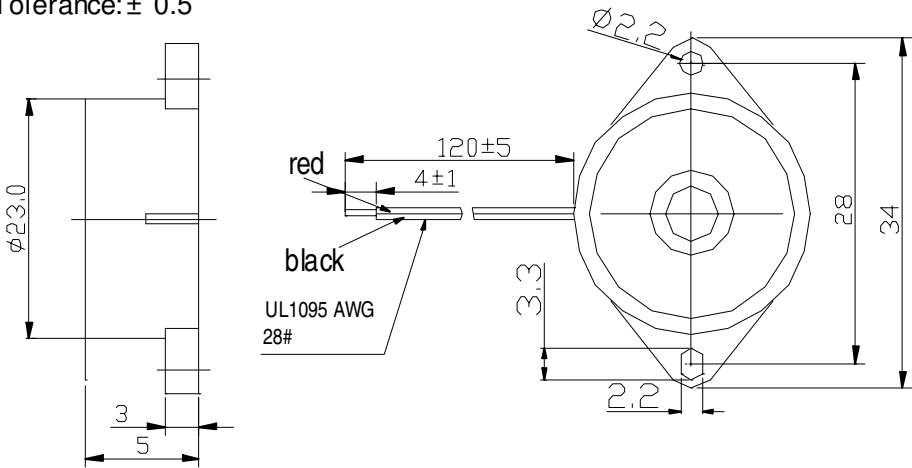
2.Technical Terms

Item	Unit	Specification
Rated Voltage	V	12
Operating Voltage	V	1...30
*Rated Current	mA	Max. 10
*Sound Output at 4.0KHz/30cm	dB	Min.80
*Resonant Frequency	Hz	4000 ± 500
Capacitance at 120Hz	pF	24000 ± 30%
Operating Temperature	℃	-20...+60
Storage Temperature	℃	-30...+70
Weight	g	2

*Value applying at rated voltage(DC).

3. Drawing

Tolerance:± 0.5



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BPT2312H05W

Piezo Buzzer

DRG NO
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BPT2312H05W

4. Reliability test

4.1 High temperature test

Temperature +60° c
Duration 96hrs

4.2 Low temperature test

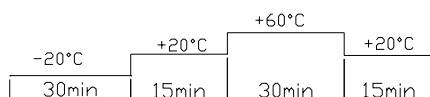
Temperature -20° c
Duration 96hrs

4.3 Life test in normal temperature

Power supply rated voltage
Duration 1000hrs

4.4 Temperature cycle test

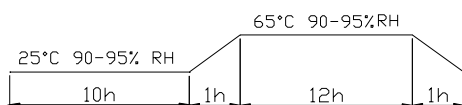
Cycles 5



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

4.5 Humidity cycle test

Cycles 5



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

4.6 Drop test

Height 70cm
(to 10mm thickness woodenboard)
Direction 3

Notice: All specification must be satisfied in this condition.

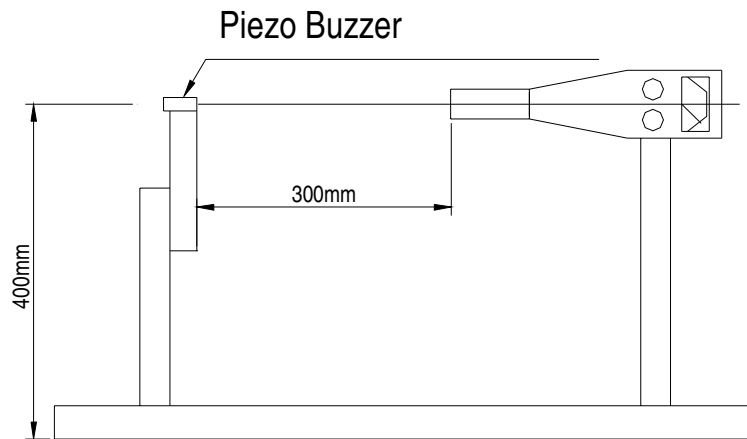
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BPT2312H05W

5. Standard Output Measurement Setup



Normal Test Condition

Temperature 5~35℃

Humidity 45~85%

Atmosphere 645~795mmHg

If in the normal test there is any doubt in judgement, the test conditions could be as follows;

Temperature 20± 2℃

Humidity 60~70%

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