



# Magnetic Transducer Specification

## Series HWDX

Model Number: HWBX12LFRMP

Version 1.0

Address: 28 Genting Lane, #08-07 Platinum 28, Singapore 349585

Tel: +65-6493 5035

Fax: +65-6493 5037

Website: <http://www.flezon.com>

Email: [flezon@flezon.com](mailto:flezon@flezon.com)

# 1. ELECTRICAL SPECIFICATIONS



**Model No.:** HWBX12LFRMP

**Description:** MT TRANSDUCER 5V SMD PPS SP 1 ) KAPTON LABEL  
2 ) TUBE PACKING 3 ) RoHS

<i>MODEL NO.</i>	<u>HWBX12LFRMP</u>
<i>OPERATING VOLTAGE RANGE ( V )</i>	8.0 ~ 16.0
<i>RATED VOLTAGE ( V )</i>	12.0
+ <i>MAX. RATED CURRENT ( mA )</i>	40.0
<i>COIL RESISTANCE ( <math>\Omega</math> )</i>	140.0 $\pm$ 14.0
<i>COIL IMPEDANCE ( Ohm )</i>	240
+ <i>MIN. SOUND OUTPUT at 10cm ( dBA )</i>	85.0
<i>RESONANT FREQUENCY ( Hz )</i>	2400
<i>OPERATING TEMPERATURE ( <math>^{\circ}</math> C )</i>	- 20.0 ~ + 70.0
<i>STORAGE TEMPERATURE ( <math>^{\circ}</math> C )</i>	- 30.0 ~ + 85.0
<i>TERMINAL</i>	SMD
<i>HOUSING MATERIAL</i>	PPS
<i>WEIGHT ( g )</i>	3.0

+ Value applying rated voltage resonant frequency, 1/2 duty, square wave

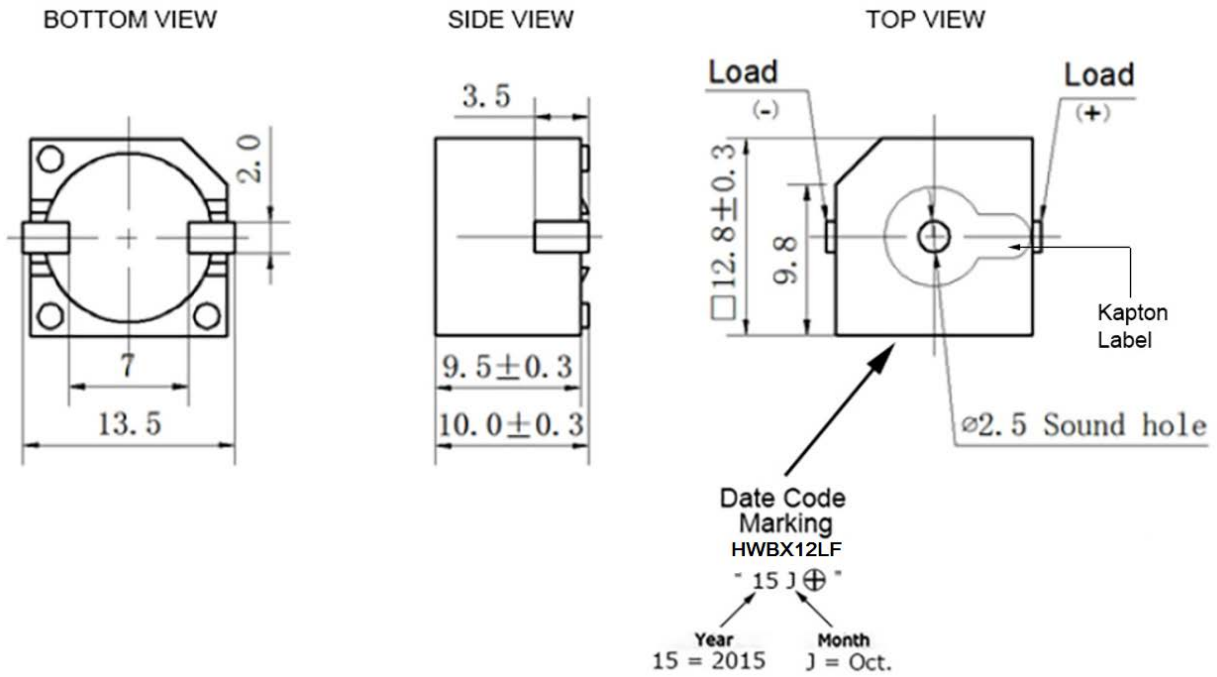
\* Value applying resonant frequency, 1/2 duty, square wave, measuring current 60uA

## 2. PHYSICAL DIMENSION



All dimensions stated are in mm

Tolerance:  $\pm 0.2\text{mm}$



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## Revision History

Revision	Date	Description
1.0	2014/10	First release

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