

Mechanical-Buzzer with Oscillator and Wire

Electrical and Acoustical Parameter

Rated Voltage	12 VDC
Operating Voltage	7 - 16 VDC
Current Consumption	≤ 23 mA *
Sound Pressure Level	≥75 dB(A) at 1 m *
Oscillator Frequency	400 ±100 Hz *
Tone	Continuous
Test Condition	25 ±3 °C, 60 - 70 %RH, 860 - 1060 mbar
	Judgement: 15 - 35 °C, 45 - 85 %RH, 860 - 1060 mbar
Remark	* Applying rated voltage

Mechanical and Environmental Parameter

Contact / Wire	Wire 150 ±5 mm
Wire Specification	AWG28, UL1007
Operating Temperature	-20 to +60 °C
Storage Temperature	-30 to +70 °C
Housing Material	Noryl
Housing Colour	Black
Component Weight	approx. 17 g
Dimension (ØxWxH)	Ø26.4 x 41 x 17.6 mm
Remark	Wave soldering and washing is not allowed



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Approved by	PB	02.04.2024		

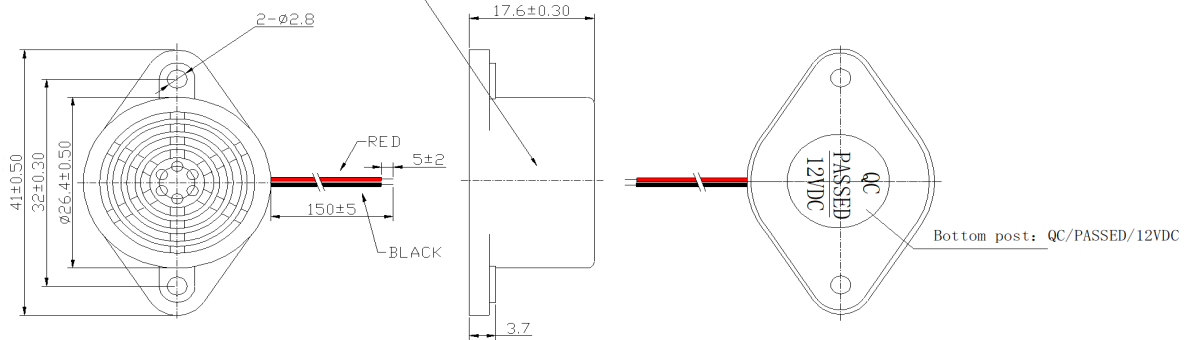
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Drawing of Component

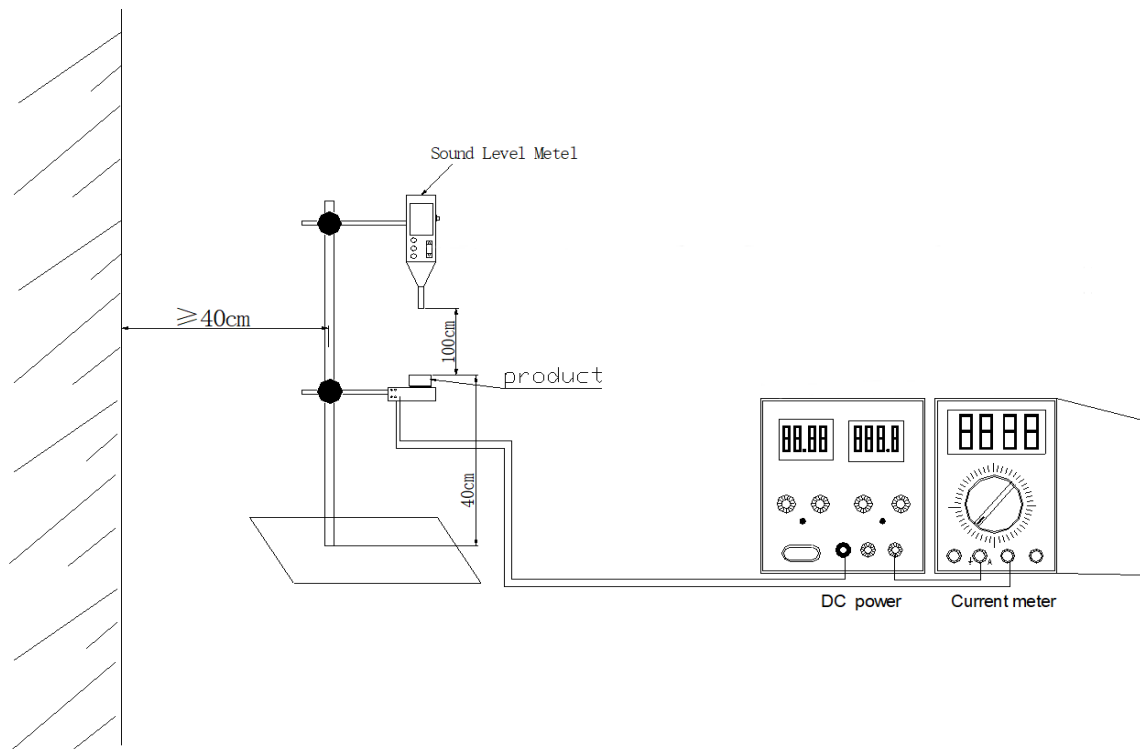
Unit: mm Tolerance: ± 0.5 mm except specified

Laser mark: DIGISOUND
F/NRMB12
YMU

(Date Code format: 09HU: Y=Year, M=Month, U=Universal)



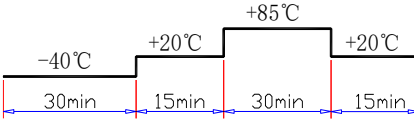
Test Method



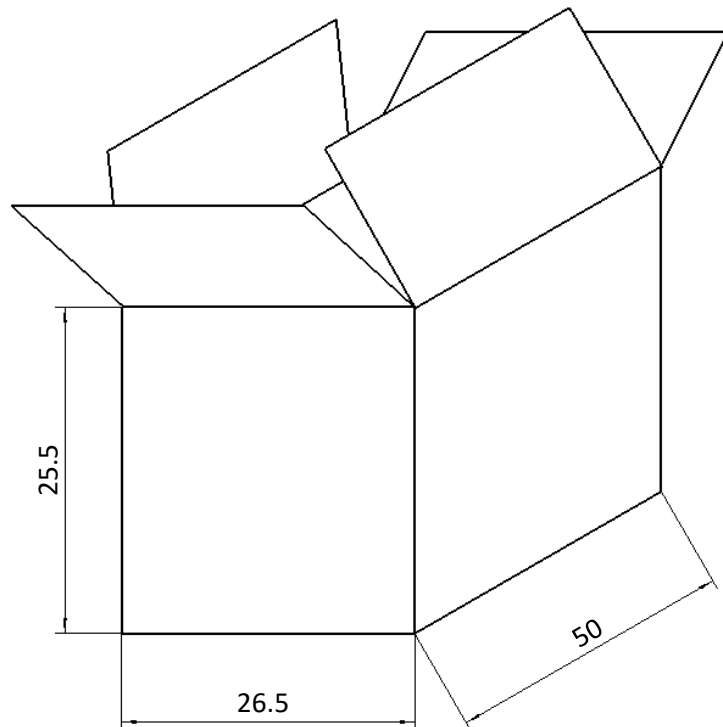
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Reliability Test

TEST	TESTING CONDITION	AFTER TEST
Storage in High temp.	Storage in +85 °C ±2 °C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.	The change of SPL shall be within ±5 dB.
Storage in Low temp.	Storage in -40°C±2°C test box for 96 hours, then expose to the room temperature for 2 hours without applying power.	
Storage in Humidity	Storage in +40°C±2°C 90-95%RH test box for 96 hours, then expose to the room temperature for 2 hours without applying power.	
Thermal cycle	 <p>Make this test for 5 cycles without applying power, then expose to the room temperature for 2 hours.</p>	
Solderability	Soldering temp.: 260 ±5 °C Heat applying time: 3 ±0.5 sec.	

Packaging Information



NOTES:

1. 50 PCS per tray
2. Total 500 pcs per carton
3. N.W.: 19 Kg; G.W.: 20 Kg
4. Volume 50.5x26x26cm

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Revision Table

Revision Nr.	Reason - Procedure Change description	Date	Name
01	Farbe	29.09.2009	KH
02	N/A	12.11.2009	KH
03	New Datasheet design; Changed packaging height; Temperature range changed; Removed obsolete marking letter -G ; Changed to laser marking	02.04.2024	TS

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