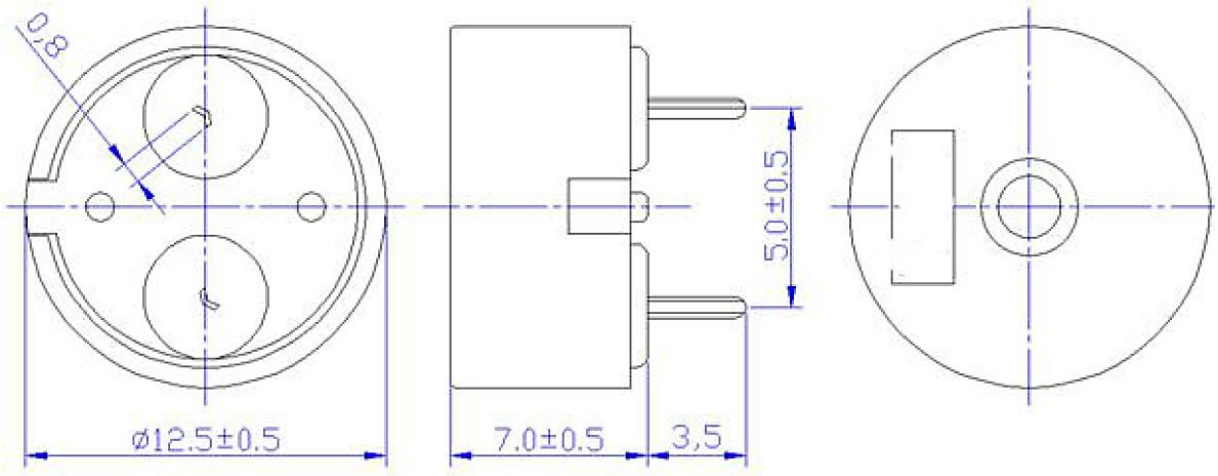
PIEZO TRANSDUCER

RDT-4.000-1207-XE-NS1

Electrical Specifications

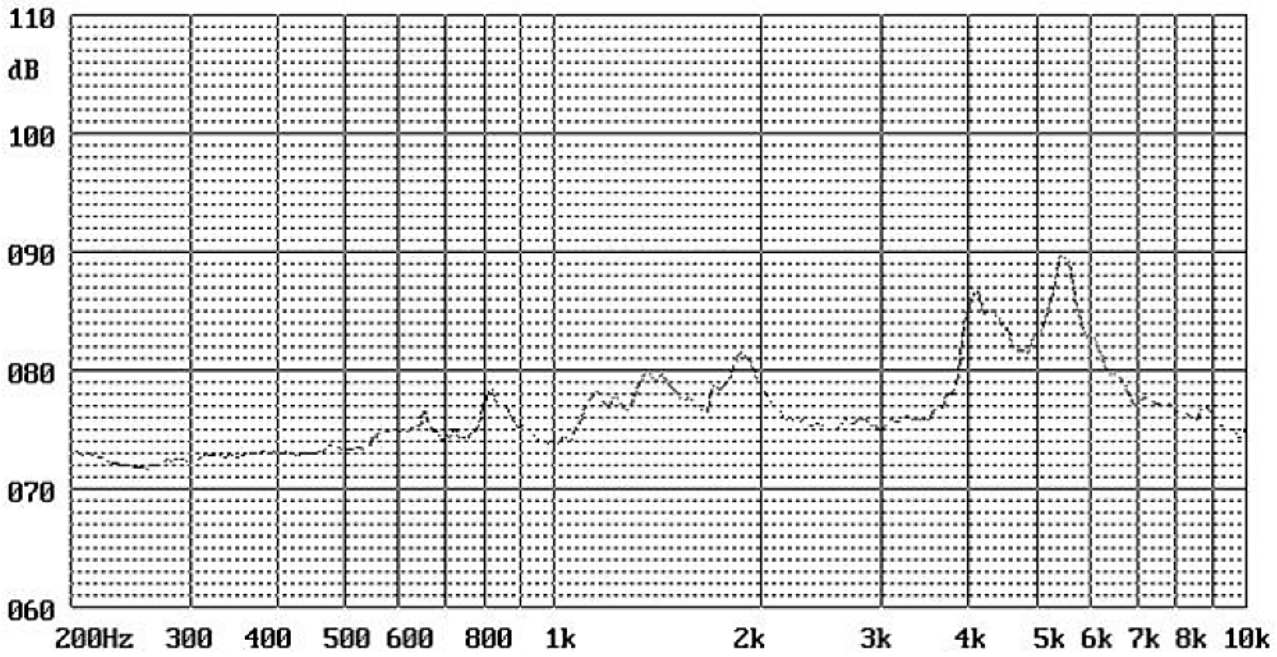
PARAMETERS		VALUE	UNIT
Resonance Frequency		4000±500	Hz
Input Voltage, max	Sine Wave	25	Vp-p
Current, max	@ 6 Vp-p	8	mA
Free Capacitance	@ 100Hz	9 ±30%	nF
Sound Pressure, min	@ 4.0kHz, (6.0Vp-p, 10cm) Square Wave	85	dB
Operating Temperature Range		-20 ~ +70	˚C
Storage Temperature Range		-30 ~ +85	˚C
Plate Material		Brass	-
Case Material		PBT	-
Pin Material		Phosphor Bronze	-

Dimension

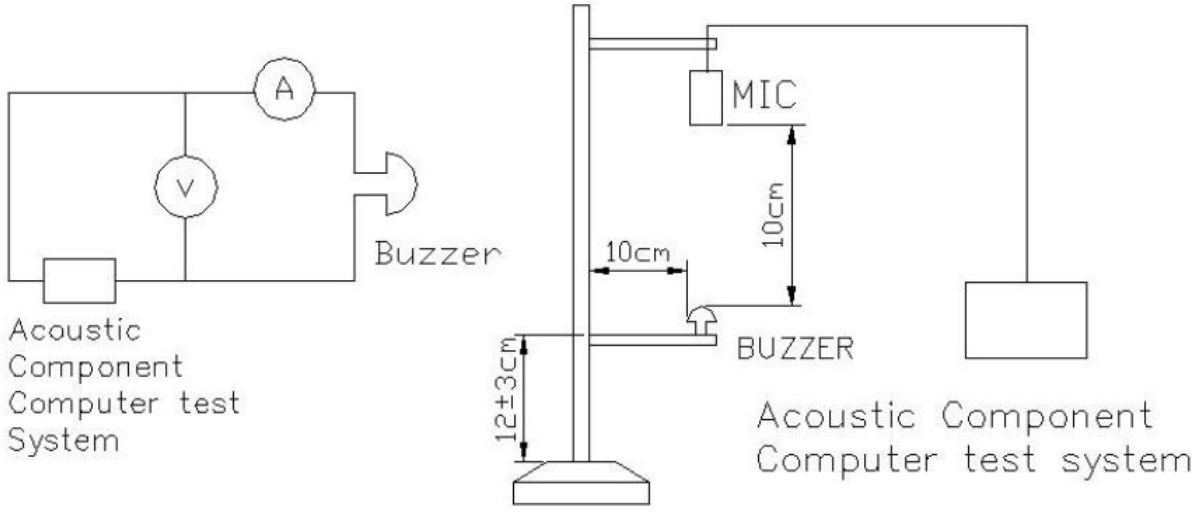


Unit: mm

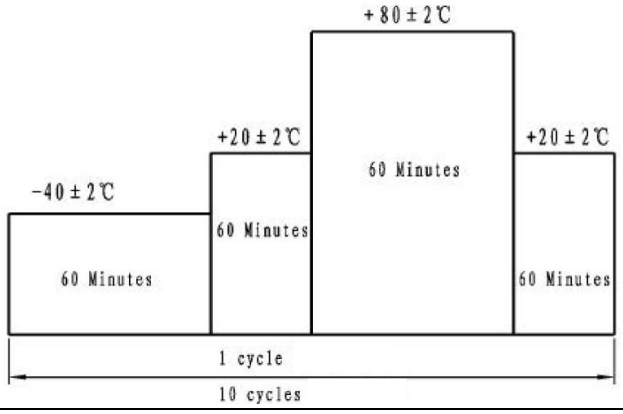
Frequency Characteristics



Electrical And Acoustical Measuring Condition



Reliability Test

ITEM	TEST CONDITION AND REQUIREMENT
High Temperature Test (Storage)	After being placed in a chamber with 80±2ºC for 2 hours and then being placed in normal condition for 2 hours. Buzzer shall be measured. SPL after test: ±10dB
Low Temperature Test (Storage)	After being Placed in a chamber with -30±2ºC for 20 hours and then being placed in normal condition for 2 hours. Buzzer shall be measured. SPL after test: ±10dB
Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2ºC for 240 hours and then being placed in normal condition for 4 hours. Buzzer shall be measured. SPL after test: ±10dB
Temperature Cycle Test	Make the test for 5 cycles without applying power as fig the expose to the room temperature for 4 hours. 
Vibration Test	Buzzer shall be measured after applying vibration of amplitude of 1.5mm with 10 to 55Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours. SPL after test: ±10dB
Drop Test	Drop a product naturally from height of 1000mm onto the surface of 100mm thick wooden board. Two directions: This is upper and side of the product are to be applied for this drop test respectively once. SPL after test: ±10dB
Soldering Heat Resistance	Lead terminals are immersed up to 1.5mm from buzzer's body in solder bath of 260°C for 10 seconds, and then buzzer shall be measured after being placed in natural condition for 4 hours. SPL after test: ±10dB
Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of 250°C for 3 seconds 95% min lead terminal shall be wet with solder (except the edge of the terminal)
Terminal Strength Pulling Test	The force of 9.8N(1.0kg) is applied to each terminal in axial direction for 10 seconds. No visible damage and cutting off.

- **APPROVAL**

DRAWN BY	EV, April 2, 2026
APPROVED BY	AR, April 2, 2026
REVISION	A, Initial Release

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