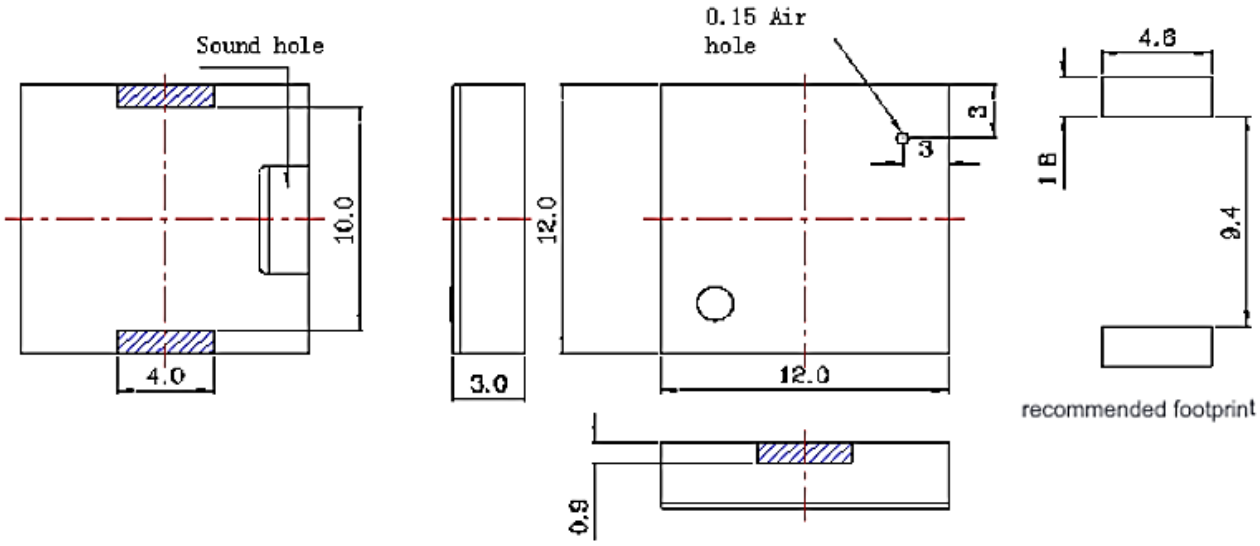
RDT-2.400-1212-SA-NS1

Electrical Specifications

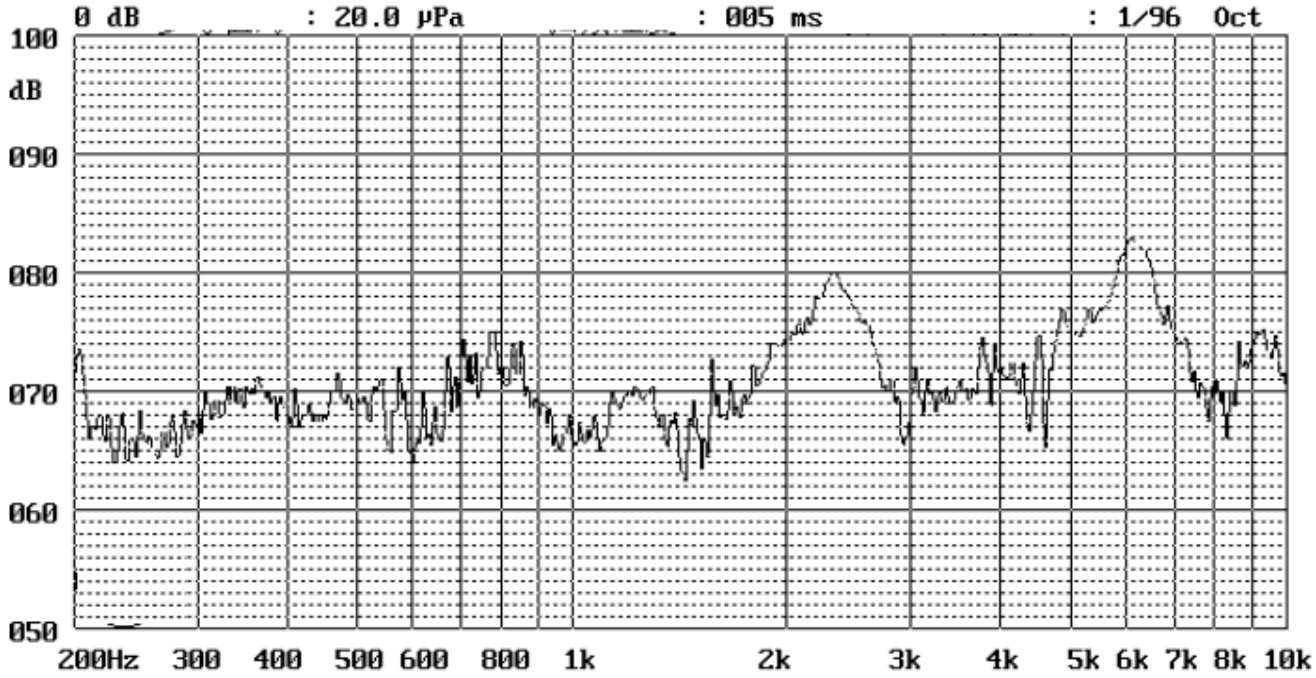
PARAMETERS		VALUE	UNIT
Oscillation Frequency	@ square wave	2400	Hz
Operating Voltage		1 ~ 25	Vo-p
Rated Voltage		3	Vo-p
Current Consumption, max	@ Rated Voltage	3	mA
Sound Pressure Levels, min	@ 10 cm, Rated Voltage	75	dB
Electrostatic Capacity	@ 100Hz, 1V	20000±30%	pF
Operating Temperature Range		-40 ~ +85	˚C
Storage Temperature Range		-40 ~ +85	˚C
Housing Material		LCP (Black)	-
Leading Pin		Tin Plated Brass(Sn)	-
Weight		0.4	g

Dimension

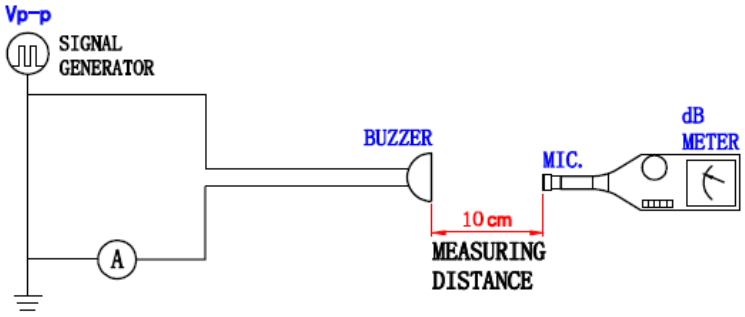


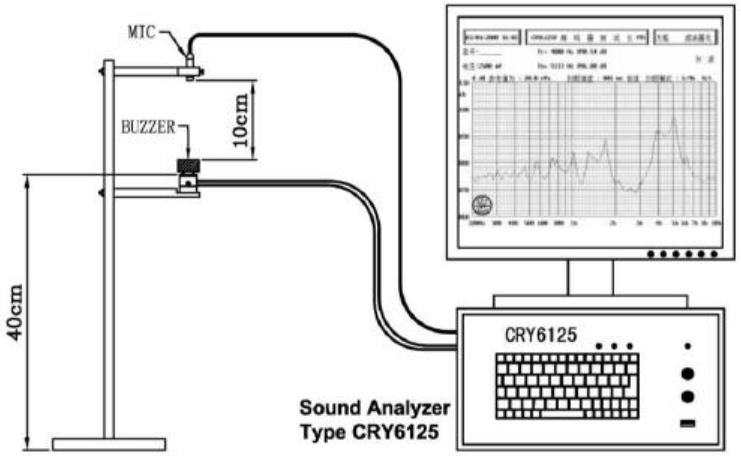
Tol : ± 0.3 Unit: mm

Frequency Characteristics

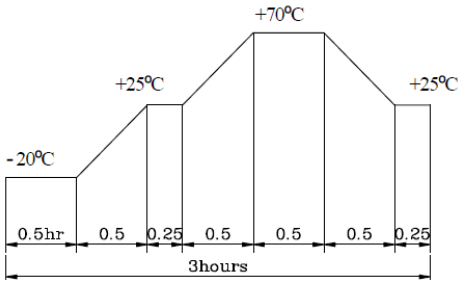


Testing Method





Reliability Test

Item	Test condition and requirement
High Temperature Test (Storage)	After being placed in a chamber with 80±2ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
Low Temperature Test (Storage)	After being Placed in a chamber with -30±2ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
Humidity Test	After being Placed in a chamber with 90-95% R.H. at 40±2ºC for 96 hours and then being placed in normal condition for 2 hours. Allowable variation of SPL after test: ±10dB.
Temperature Cycle Test	The part shall be subjected to 5 cycles. One cycle shall be consist of:  Allowable variation of SPL after test: ±10dB.
Drop Test	Drop on a hard wood board of 4cm thick, any directions ,6 times, at the height of 75cm. Allowable variation of SPL after test: ±10dB.
Vibration Test	After being applied vibration of amplitude of 1.5mm with 10 to 55 Hz band of vibration frequency to each of 3 perpendicular directions for 2 hours. Allowable variation of SPL after test: ±10dB.
Solderability Test	Lead terminals are immersed in rosin for 5 seconds and then immersed in solder bath of +300±5ºC for 3±1 seconds. 90% min. lead terminals shall be wet with solder (Except the edge of terminals).
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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	AR, March 13, 2026
APPROVED BY	CP, March 13, 2026
REVISION	A, Initial Release