

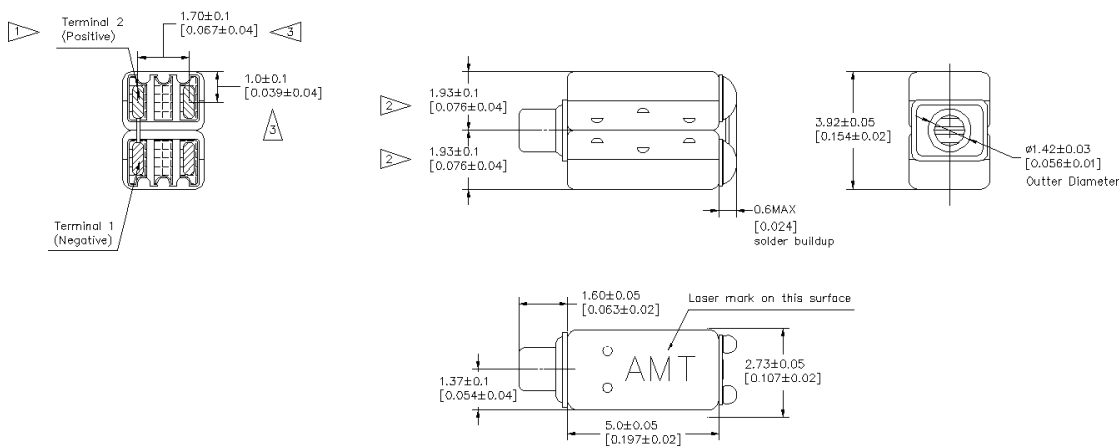
ABADB-50-50-001

Advantages:

- Small size, Max. output achieve 128dB.
- Can be used in ITC or ITE.

Mechanical data:

- Dimensions:



- Note:
- 1 A Positive going signal at terminal 2, Relative to terminal 1, Cause a decrease in pressure at the sound outlet.
 - 2 Located two surfaces for customer convenience. Only applicable from one surface. Not to be used together.
 - 3 Dimension to approximate center of terminal pad.

- Port location: 12S
- Solder type: SAC305, and ROHS compliance

Electrical properties:

- Isolation: The case will be electrically isolated from internal coil
- DCR and impedance:

Item	specification
DC resistance	50Ω ± 10%
Imp@1 kHz	74Ω ± 15%

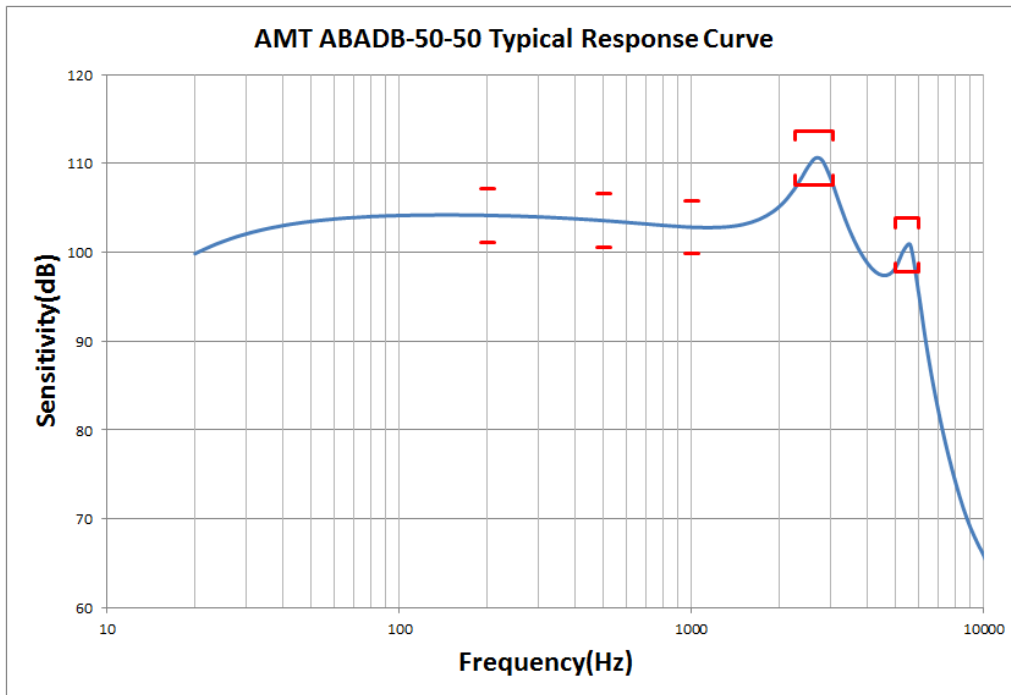
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Acoustic specification:

1, Test condition

- 1.1 Driver: CV 223mVrms
- 1.2 Tube and cavity: 10mm*dia1.0mm tube into 2cc coupler
- 1.3 Source requirements: source impedance <1ohm.

2, Typical response curve and specification:



Specification	Frequency(Hz)	Minimum	Nominal	Maximum
Sensitivity	200	101	104	107
Sensitivity	500	101	104	107
Sensitivity	1000	100	103	106
Peak 1	2250-3050	108	111	114
Peak 2	5000-6000	98	101	104

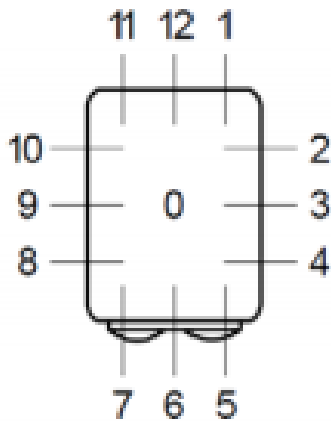
3, Distortion specification:

Frequency(Hz)	Drive (Vrms)	Limit (%)
1/3 Peak 1	0.223	5%
1/2 Peak 1	0.223	5%

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Port location explanation:

- Example 12S, 12 indicates the port location, S indicates tube on the centerline, details refer to below:



Port detail code:

- N – no tube
- B – tube away from the cover
- C – tube near the cover
- S – tube on the centerline
- T – port on Top surface
- O – other situation, check the drawing

Storage and operating requirements:

- Follow below table:

Item	Temperature (°C)	Humidity (%RH)	barometric pressure (hPa)
Storage	-40 ~ 63	10 ~ 60	500 ~ 1060
Operating/test	0 ~ 40	45 ~ 85	860 ~ 1060
Judgment	18 ~ 22	60 ~ 70	860 ~ 1060

Website: www.amtacoustic.com

Office Tel: (+86) 0519-81882133

Mail box: sales@amtacoustic.com

Address: No.7 Lanxiang Road economic development zone
Wujin district Changzhou City China