Data sheet

Update: 20180427

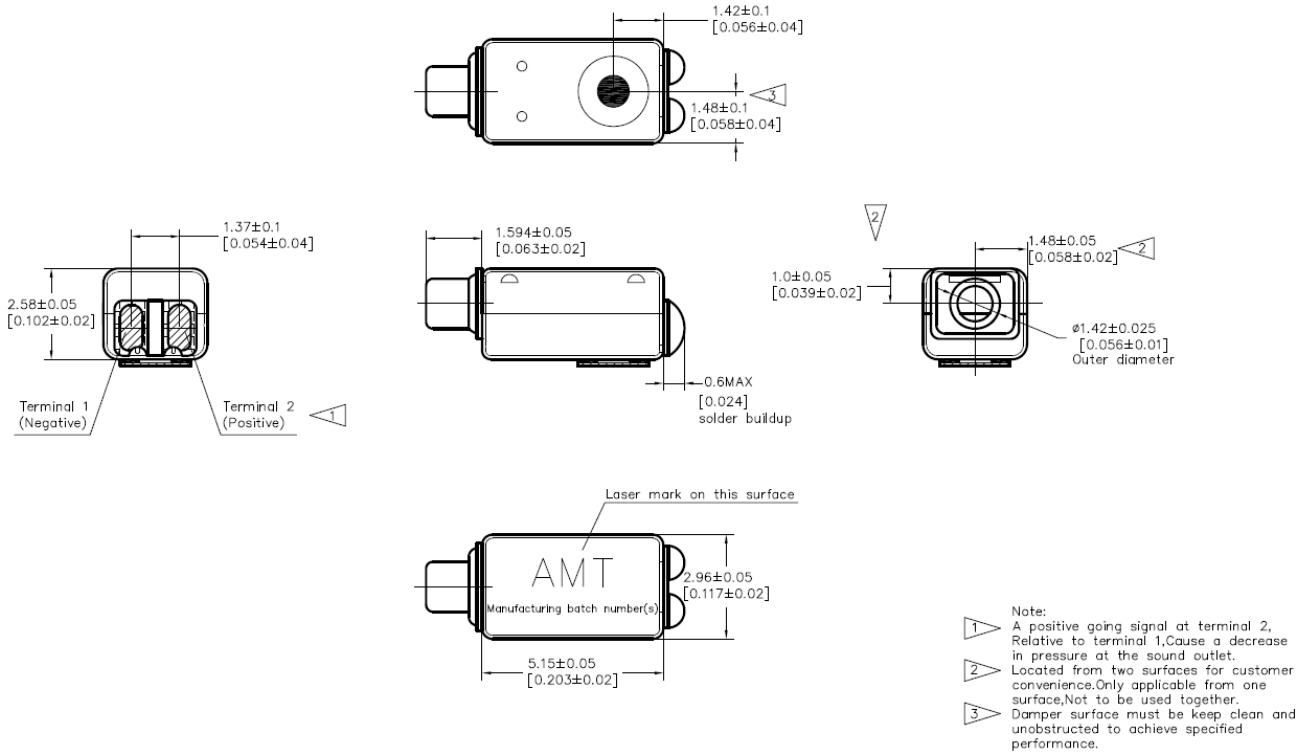
ABL-4-003

Advantages:

- Small size, Max. output achieve 124dB.
- Can be used in CIC or ITC.
- Can be used in earphone, improved low frequency performance.

Mechanical data:

- Dimensions:



- Port location: 12C
- 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	4Ω±10%
Imp@500 Hz	5Ω±15%
Imp@1 kHz	7Ω±15%

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Acoustic specification:

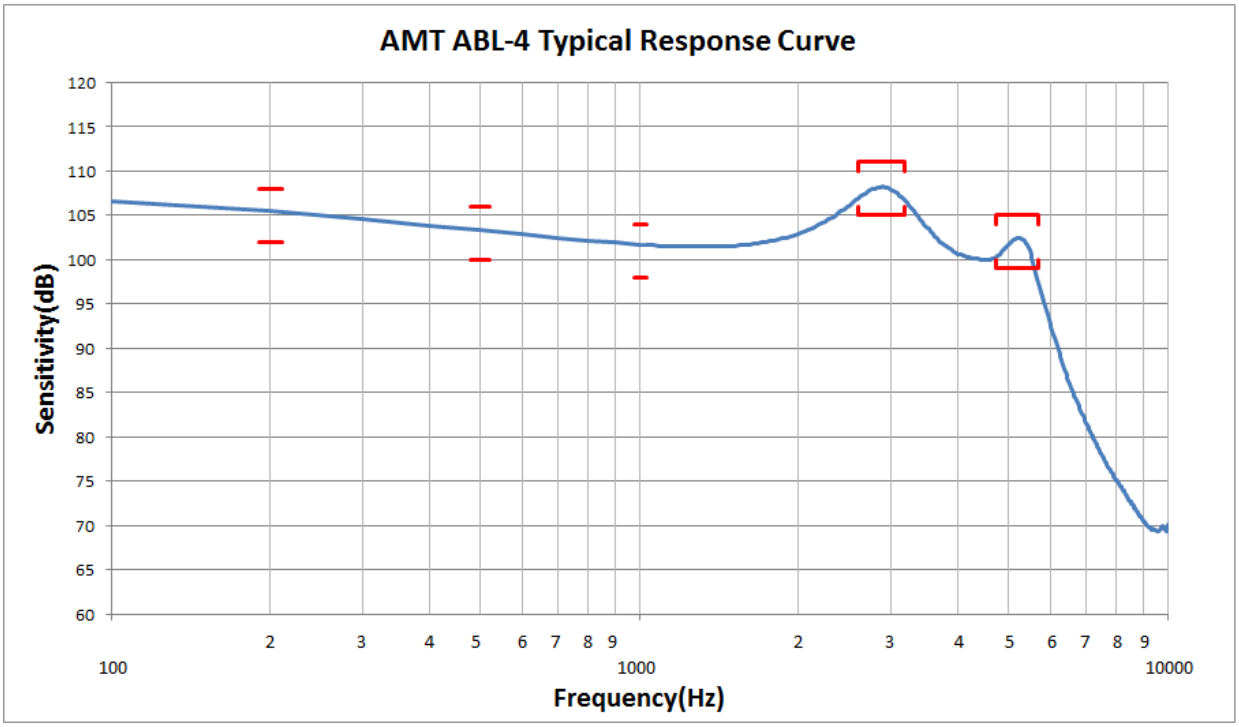
1, Test condition

1.1 Driver: CV 63mVrms

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	102	105	108
Sensitivity	500	100	103	106
Sensitivity	1000	98	101	104
Peak 1	2600-3200	105	108	111
Peak 2	4700-5700	99	102	105

3, Distortion specification:

Frequency(Hz)	Drive (Vrms)	Limit (%)
1/3 Peak 1	0.063	5%
1/2 Peak 1	0.083	5%

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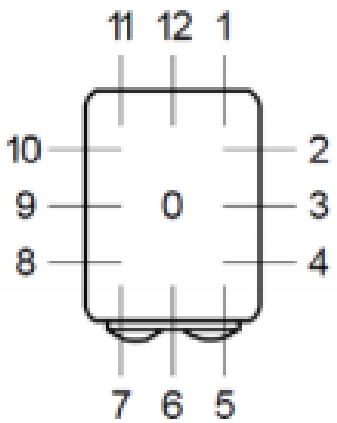
Port location explanation:

- 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 (ºC)	Humidity (%RH)	barometric pressure (hPa)
Storage	-40 ~ 63	10 ~ 60	500 ~ 1060
Operating/test	15 ~ 30	45 ~ 85	860 ~ 1060
Judgment	18 ~ 22	60 ~ 70	860 ~ 1060

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