

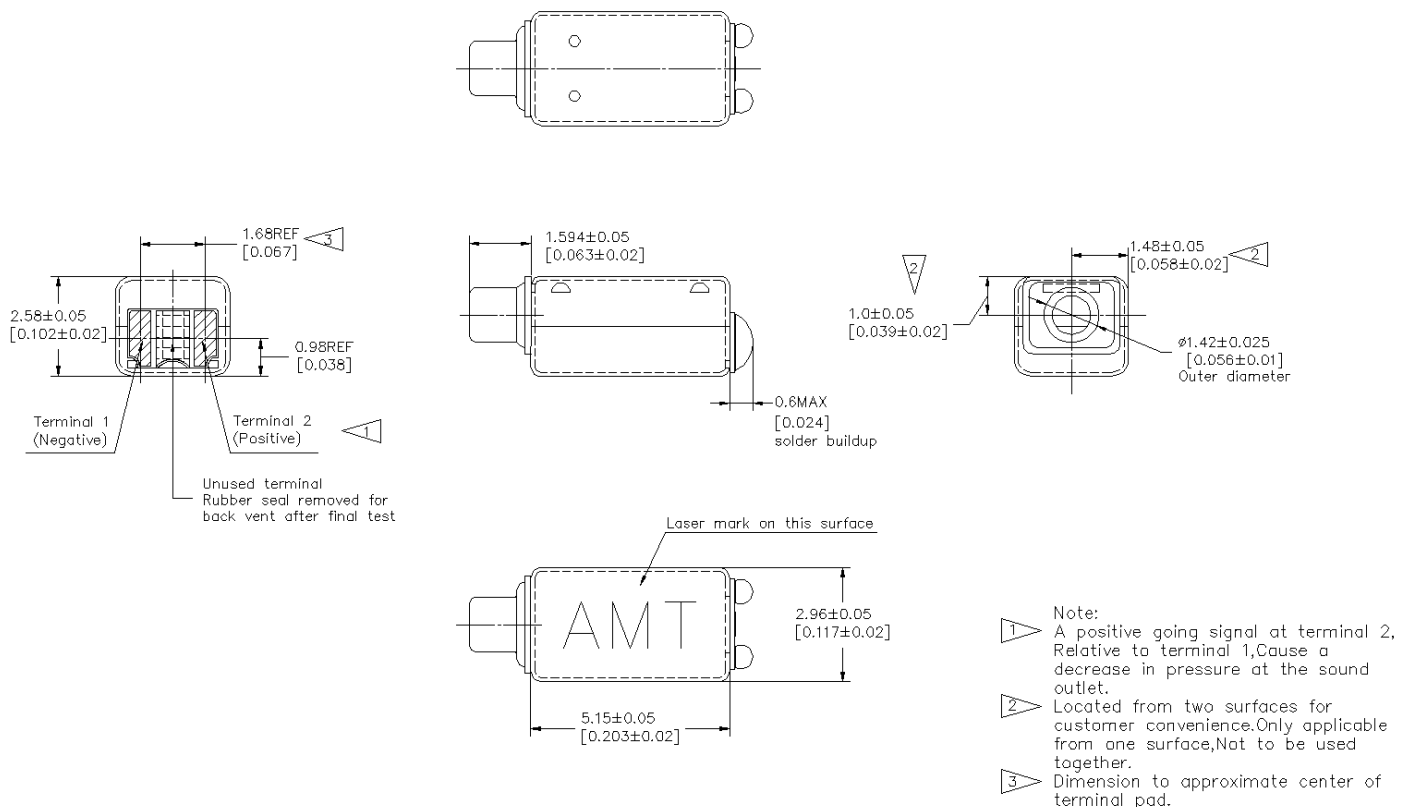
ABAB-40-12.5-002

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	$12.5\Omega \pm 10\%$
Imp@1 kHz	$29.4\Omega \pm 15\%$

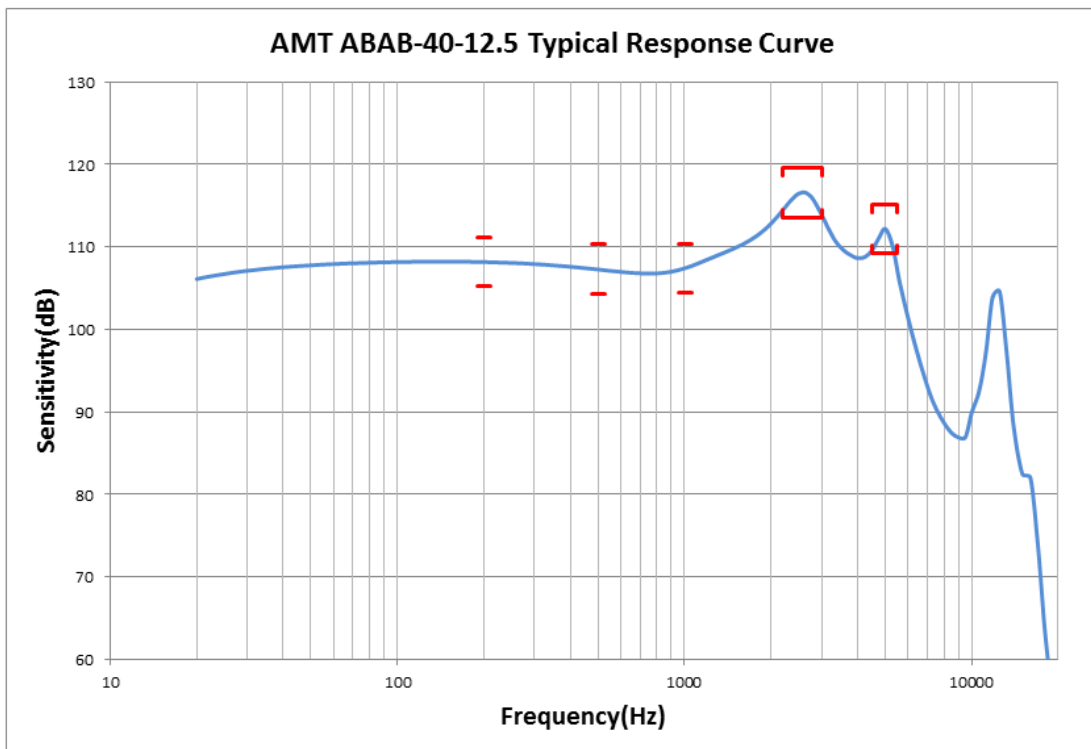
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Acoustic specification:

1, Test condition

- 1.1 Driver: CV 112mVrms
- 1.2 Tube and cavity: 10mm*dia1.0mm tube into 711 coupler
- 1.3 Source requirements: source impedance <1ohm.

2, Typical response curve and specification:



Specification	Frequency(Hz)	Minimum	Nominal	Maximum
Sensitivity	200	105	108	111
Sensitivity	500	104	107	110
Sensitivity	1000	104	107	110
Peak 1	2350-2950	114	117	120
Peak 2	4500-5500	109	112	115

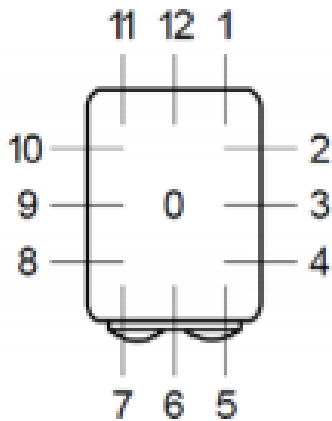
3, Distortion specification:

Frequency(Hz)	Drive (Vrms)	Limit (%)
1/3 Peak 1	0.112	5%
1/2 Peak 1	0.112	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

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