Data sheet

Update: 20180502

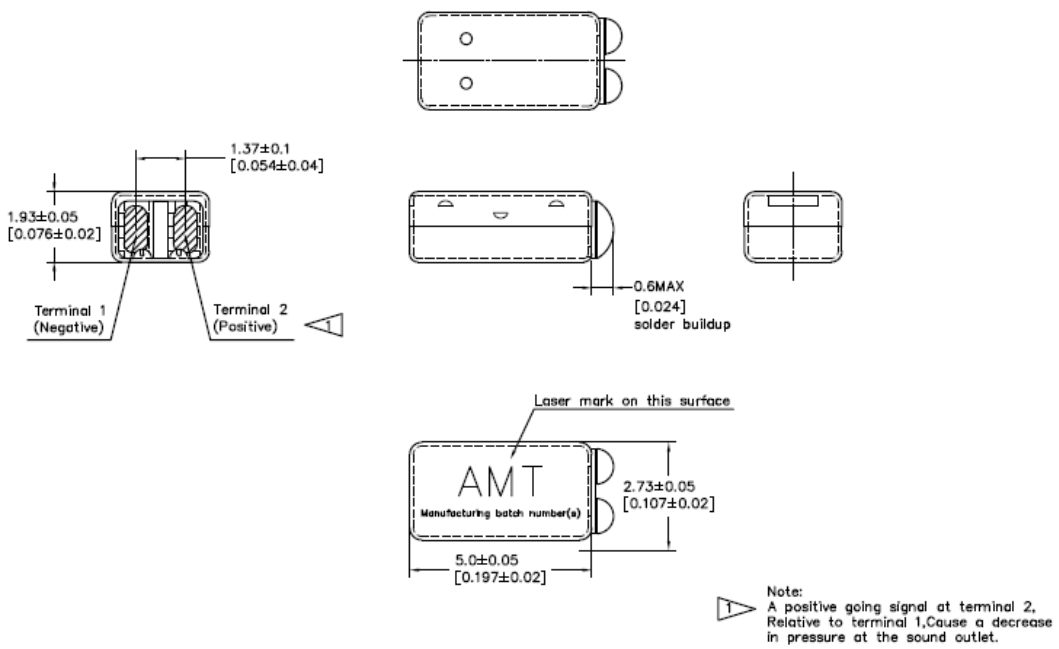
AFM-3000-001

Advantages:

- Small size, Max. output achieve 124dB.
- Can be used in CIC.

Mechanical data:

- Dimensions:



- Port location: 12N
- 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	12.5Ω±10%
Imp@500 Hz	13.4Ω±15%
Imp@1 kHz	14.3Ω±15%

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Acoustic specification:

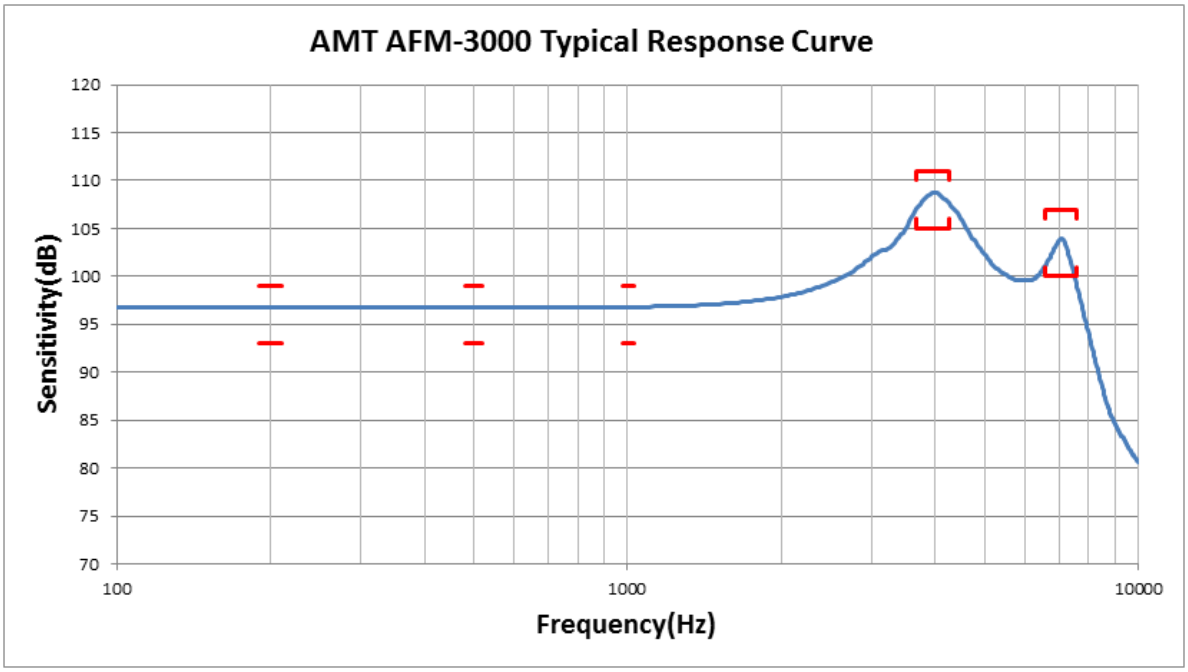
1, Test condition

1.1 Driver: CV 179mVrms

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	93	96	99
Sensitivity	500	93	96	99
Sensitivity	1000	93	96	99
Peak 1	3650-4250	105	108	111
Peak 2	6550-7550	101	104	107

3, Distortion specification:

Frequency(Hz)	Drive (Vrms)	Limit (%)
1/3 Peak 1	0.179	5%
1/2 Peak 1	0.179	5%

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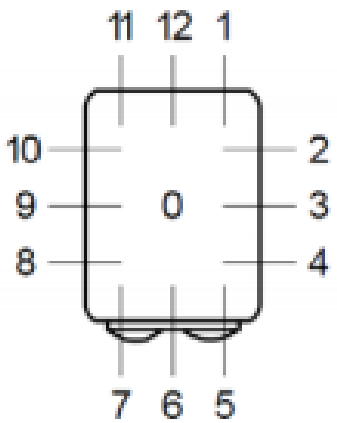
Port location explanation:

- 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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