

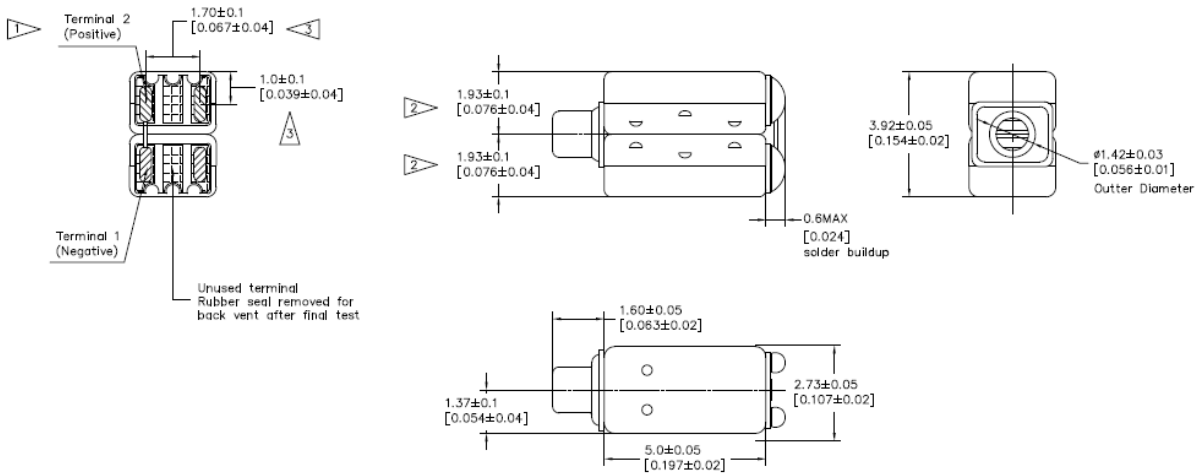
# ADFM-50-001

## Advantages:

- Small size, Max. output achieve 124dB.
- 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	$50\Omega \pm 10\%$
Imp@1 kHz	$100\Omega \pm 15\%$

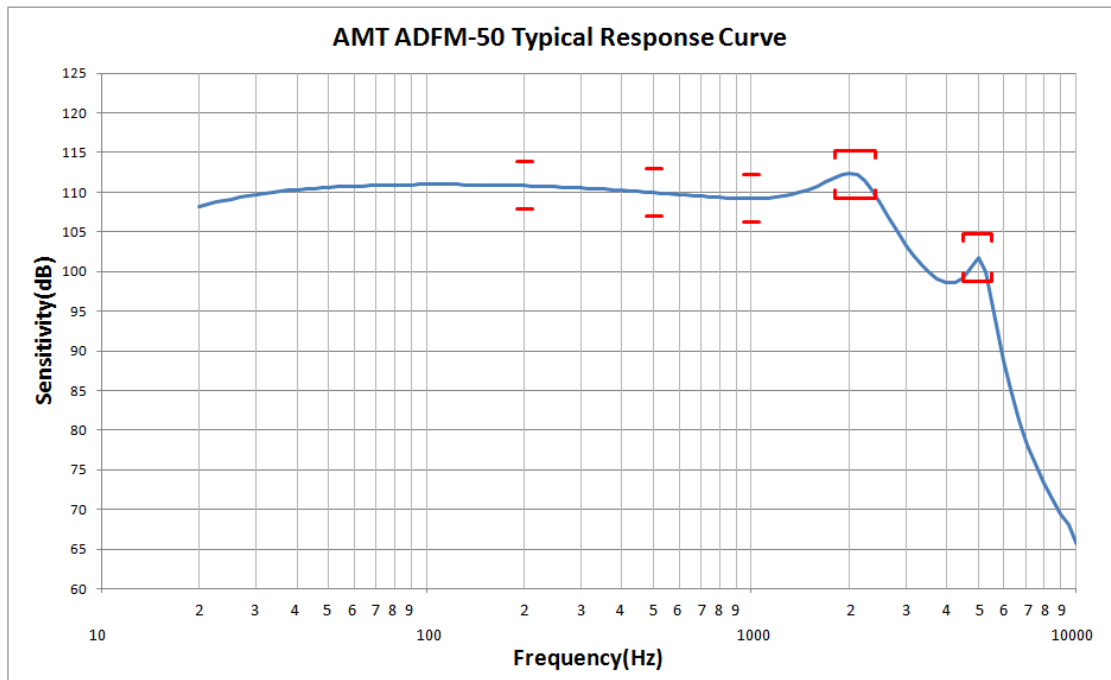
# ADFM-50-001

## 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	108	111	114
Sensitivity	500	107	110	113
Sensitivity	1000	106	109	112
Peak 1	1850-2450	109	112	115
Peak 2	4500-5500	99	102	105

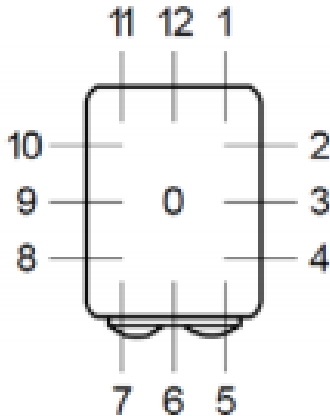
### 3, Distortion specification:

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

# ADFM-50-001

## 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	15 ~ 30	45 ~ 85	860 ~ 1060
Judgment	18 ~ 22	60 ~ 70	860 ~ 1060

Website: [www.china-armature.com](http://www.china-armature.com)

Office Tel: (+86) 0519-81882133

Mail box: [sales@china-armature.com](mailto:sales@china-armature.com)

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