

# **APPROVAL SHEET**

Model No.	<b>del No.</b> : NM3212-		30W0-00
Only No.	:		
Date	:		
Description	:		
APPROVER		CHECKER	DESIGN
YongFei Zhang		XianBi Huang	QiuYi Huang
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# **Revision Record**

No.	Date	Description	Revision	Acoustics Engineer
1		Initial Release	1.0	QiuYi Huang
2		Add dual directional content and update frequency response curve	1.1	QiuYi Huang





### 1. Product Overview

#### 1-1 Purpose

Determine the product's appearance, structure, technical parameters, and packaging method to provide a basis for design, production, and quality control.

**1-2 Scope of application** : Specifically designed for vocal applications

#### 1-3 Product characteristics

The smooth frequency response makes the sound delicate and natural.

**1-4 Appearance requirements:** The appearance should be neat, and the surface should be free from obvious cracks, deformations, mold spots, and other phenomena.

#### 1-5 Technical indicators

NO	Item	Specifications
1)	Unit	True gold-plated diaphragm condenser microphone capsule
2)	Gold-plating surface	Single-faced
3)	Frequency Response	20Hz~20KHz
4)	Sensitivity	-38dB±3dB (0dB=1V/Pa at 1KHz)
5)	Unidirectional Standard Power Supply	48-55V Single-faced
6)	Omnidirectional Standard Power Supply	48-55V Two-faced
7)	Noise Cancelling Standard	Front : 48~55V
	Power Supply	Back: -48∼-55V
8)	Operating temperature	5°~35°
9)	Allowable storage temperature	-10°~+55°
10)	Maximum input S.P.L	120dB F=1KHZ: THD<1%

## 1-6 Testing conditions

Unless otherwise specified, these technical specifications are based on the General Technical Specifications for Microphones (GB/T 14198-93) and Measurement Methods for Microphones (GB 9401-88).





## 2. Directional testing method, standard

- (1) National Standard of the People's Republic of China, clause 10.1.2.2 of GB/9401.
- (2)Testing equipment: BK&DAAS.

## 3. Frequency response testing method, standard

- (1) National Standard of the People's Republic of China, clause 9.1.2 of GB/9401.
- (2)Testing equipment: Audio Analyzer (Sunlight Tester, with "Sunlight" being the brand name).

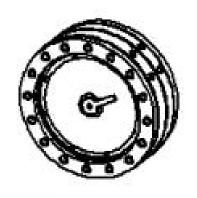
# 4. Sensitivity testing method, standard

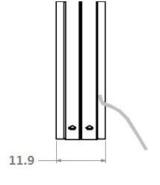
- (1)National Standard of the People's Republic of China, as per clause 7.2.1.2 in GB/9401.
- (2) Testing equipment: BK&DAAS.

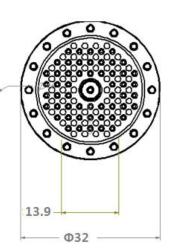
## 5. Dimensions





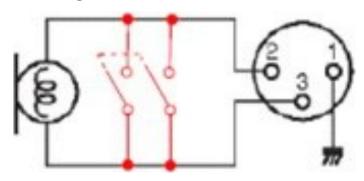




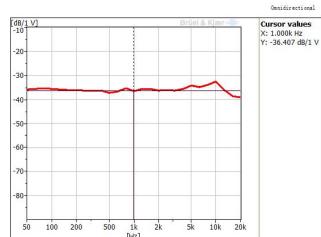


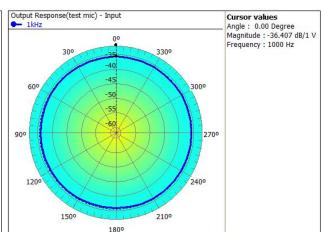


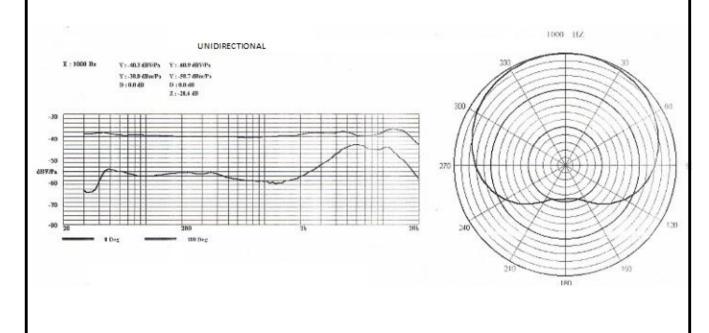
# 6. Electronic circuit diagram



## 7. Frequency response curve

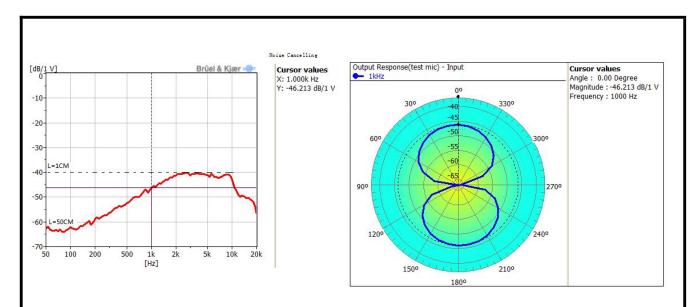












# 8.Packing

Packed in glued packaging, with 2 pieces per box.

