

Feature

- Small size
- For Telecom, Medical application

# OBO 한국 독점 대리점 NEODIS CO.,LTD

**\*Condenser Microphone**

Model No.	Testing Condition		Sensitivity (db)	Dimension (D(Φ) * H(mm))
	Vs	RL(Ω)		
<b>*Digital*</b>				
OBO-D64SN-0B-10S	-	-	-28±3	6.0 * 2.2
<b>*SMD*</b>				
OBO-M41EC-2B-012	2.0V	2.2K	-42±3	4.0 * 1.5
OBO-M62EC-2B-014	2.0V	2.2K	-44±3	6.0 * 2.2
<b>*Noise Cancelling*</b>				
OBO-B68DN-0C-11B	2.0V	2.2K	-51±4	6.0 * 1.8
OBO-64DN-0C-002	2.0V	2.2K	-44±4	6.0 * 2.7
OBO-08DN-0C-117	2.0V	2.2K	-47±4	6.0 * 2.7
OBO-20DN-0C-002	1.5V	680Ω	-50±4	9.7 * 5.0
<b>*Uni-Directional*</b>				
OBO-B45BN-0B-017	2.0V	2.2K	-50±3	4.0 * 1.5
OBO-16BN-0C-01A	2.0V	2.2K	-50±4	6.0 * 5.0
OBO-B20BN-0C-0H7	1.5V	680Ω	-47±4	9.7 * 5.2
<b>*Omni-Directional*</b>				
OBO-B41SN-0B-012	2.0V	2.2K	-42±3	4.0 * 1.0
OBO-B43KP-0B-012	2.0V	2.2K	-42±3	4.0 * 1.3
OBO-45KP-2B-07K	3.0V	2.2K	-38±3	4.0 * 1.5
OBO-40SN-0B-012	2.0V	2.2K	-42±3	4.5 * 3.0
OBO-B63KA-0B-070	3.0V	2.2K	-40±3	6.0 * 1.3
OBO-64SN-0B-002	2.0V	2.2K	-40±3	6.0 * 2.2
OBO-64EC-0B-002	2.0V	2.2K	-40±3	6.0 * 2.2
OBO-B62SW-3B-012	2.0V	2.2K	-42±3	6.0 * 2.7
OBO-62KA-0B-01K	2.0V	2.2K	-38±3	6.0 * 2.7
OBO-62KA-0B-012	2.0V	2.2K	-42±3	6.0 * 2.7
OBO-62KA-2A-011	2.0V	2.2K	-37±2	6.0 * 2.7
OBO-54LN-0B-0FK	1.5V	1.5K	-38±3	9.7 * 4.5
OBO-54LP-0B-0D2	1.5V	3.0K	-42±3	9.7 * 4.5
OBO-54LP-0B-1R5	5.0V	1.0K	-45±3	9.7 * 4.5
OBO-48KP-0B-014	2.0V	2.2K	-44±3	4.5 * 1.8
OBO-08BR-0B-005	4.5V	3.0K	-44±3	6.0 * 3.2
OBO-08BN-0B-07K	3.0V	2.2K	-38±3	6.0 * 3.2
OBO-06BW-1B-010	2.0V	2.2K	-40±3	6.0 * 5.2
OBO-06BP-3B-316	2.0V	2.2K	-46±3	6.0 * 5.2
OBO-06BN-2B-01K	2.0V	2.2K	-38±3	6.0 * 5.2
OBO-04FN-0A-007	1.5V	1.5K	-44±3	9.7 * 6.7
OBO-04FN-0B-0FH	1.5V	1.5K	-36±3	9.7 * 6.7
OBO-04FP-0A-1F0	1.5V	1.5K	-40±3	9.7 * 6.7
OBO-04FP-0B-0N0	4.5V	2.2K	-40±3	9.7 * 6.7
OBO-04FP-0B-0N2	4.5V	2.2K	-42±3	9.7 * 6.7
OBO-04KP-0B-0N6	4.5V	2.2K	-36±3	9.7 * 6.7

**\*Condenser Microphone picture**



**\*MEMS Microphone**

P/N	Output	Port Size(mm)	Size	Sensitivity	S/N Ratio	Typ Rated Current(uA)	THD=10%	Advantages
SM0103B-RFS381-M02	Analog	Bottom	2.75x1.85x0.90	-38+/-1dB	typ 63dB	120	AOP=125dB SPL	Low power, Narrow tolerance, Mini Size
SM0103B-RIS421-M02	Analog	Bottom	2.75x1.85x0.90	-42+/-1dB	typ 64dB	100	AOP=134dB SPL	High AOP, High SNR, Narrow tolerance, Mini Size
SDM0502B-RS261-M02	Digital	Bottom	3.50x2.65x0.98	-26+/-1dBFS	typ 65dB	<700	AOP=120dB SPL	High SNR, Narrow tolerance, Multi-Mode
SDM0502-RFS261-G02	Digital	Top	3.50x2.65x1.0	-26+/-1dBFS	typ 65dB	<700	AOP=120dB SPL	High SNR, Narrow tolerance, Multi-Mode
SDM0401-RS261-G04	Digital	Top	4.00x3.00x1.0	-26+/-1dBFS	typ 65dB	<700	AOP=120dB SPL	High SNR, Narrow tolerance, Multi-Mode
SDM0401B-RS261-M02	Digital	Bottom	4.00x3.00x1.0	-26+/-1dBFS	typ 65dB	<700	AOP=120dB SPL	High SNR, Narrow tolerance, Multi-Mode
AM0502-RS381-G02	Analog	Top	3.50x2.65x0.98	-38+/-1dB	typ 66dB	60	AOP=125dB SPL	Low power, High SNR, Narrow tolerance
AM0502B-RS381-M02	Analog	Bottom	3.50x2.65x0.98	-38+/-1dB	typ 66dB	60	AOP=125dB SPL	Low power, High SNR, Narrow tolerance

**\*MEMS product picture**



**\*Digital wireless microphone**

Model no. : DWM1



- ※ 2.4GHz ISM Band
- ※ Modulation GFSK
- ※ Long distance >50m (Line of sight)
- ※ Broadcasting mode
- ※ RF frequency hopping in 32 channels
- ※ Power on delay time 20ms/55ms
- ※ Power ON/OFF pop noise reduction
- ※ Low power consumption
- ※ No RF induced audio noise
- ※ Ready to go reference system
- ※ Compact stainless steel grille design to protect the microphone capsule

## 2.2 Microphones, receivers system

Item	Spec.	Unit	Note
Frequency Range	2404~2476	MHz	
Channel	16		
Modulation	GFSK		
RF Tx Power	Typ. 15	dB/m	Radiation Power
Rx Sensitivity	Typ. -78	dB/m	

Item	Spec.	Unit	Note
SNR	Typ. 82	dB	OP output @1KHz
THD + N	<1%	dB	OP output @1KHz
Frequency Response	20 ~20K	Hz	
Crosstalk	Typ. -96	dB	OP output @1KHz
FSIV	2	Vrms	
FSOV	2	Vrms	

Item	Spec.	Unit	Note
Power supply voltage	2.2~3.5	V	Microphone
Power supply voltage	4.5~5.5	V	Receiver
Microphone	55~65	mA	Typical value
Receiver	Less than 500mA	mA	Typical value
Operating Temperature	0 ~ +45	℃	Ambient temperature