



Dynamic receiver

$\phi\ 40 \times 4.8\text{mm}$

CC40S048YN16

Revision

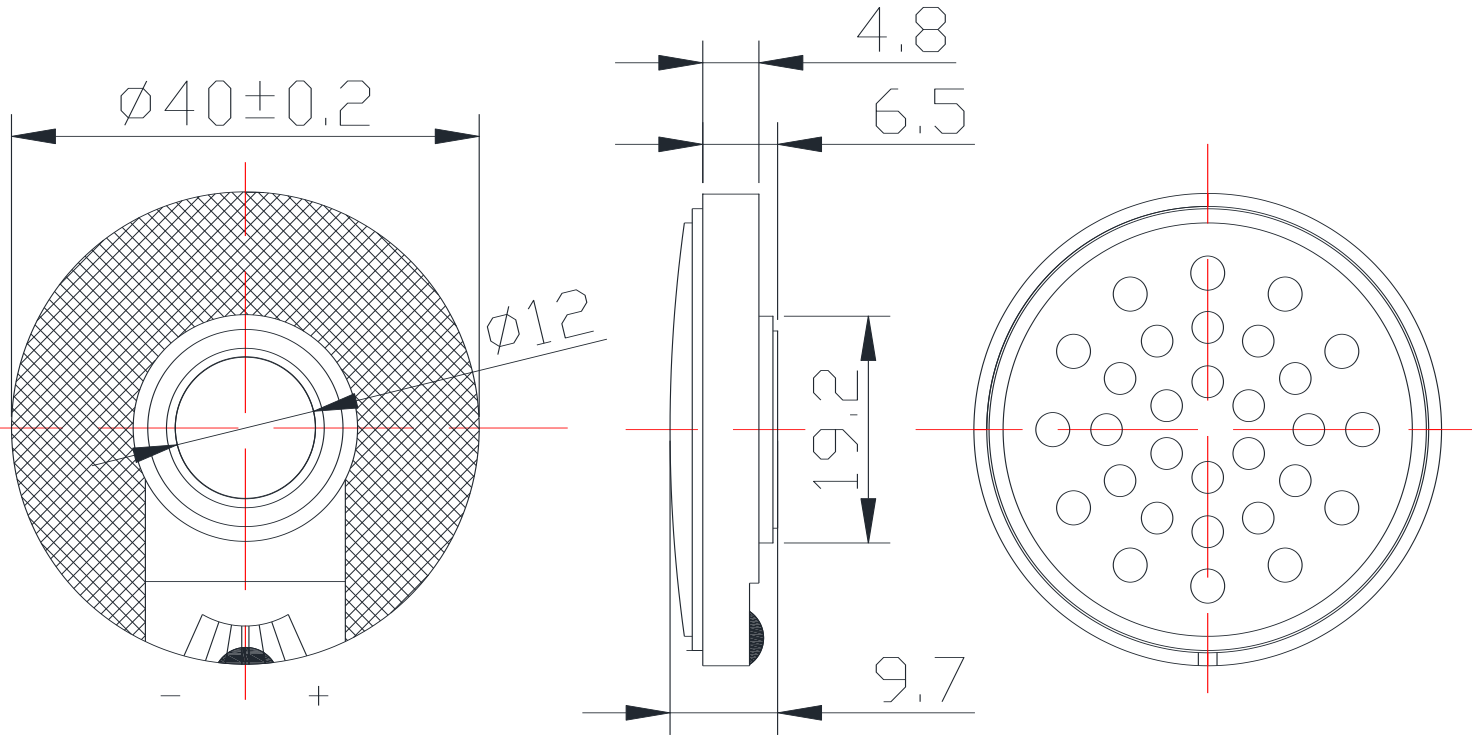
Date	Version	Status	Changes	Approver
2024/5/7	V0.1	Draft	Initial release	AX

Parameter	Conditions/Description	Values	Units
Rated Input Power		40	mW
Max Input Power	Must be normal at a white noise (80mW) for one minute	60	mW
Rated Impedance	at 1.0 kHz	16±15%	Ω
Sound Pressure Level	at 1KHz with IEC318 coupler,0.126V	120±3	dB
Frequency Range	Output S.P.L. -10dB	300~3400	Hz
Distortion	at 1K Hz, input 1mW,	< 5%	-
Magnet	NdFeB	Φ12.5*1.5	
Buzz, Rattle, etc.	must be normal at sine wave between Fo 300~ 3.4K Hz	0.8	V
Polarity	cone will move forward with positive dc current to " + " terminal		
Weight		7.2	g
Operating		-20~ +60	°C
Storage Temperature		-30~ +70	°C

Notes: All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

Units: mm
Tolerance: ±0.3mm



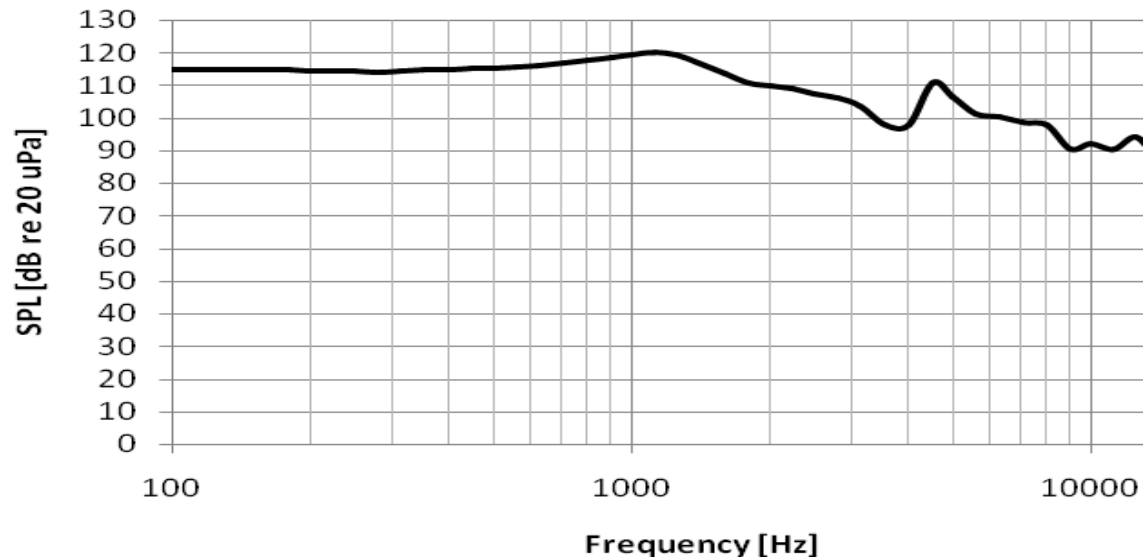
CONSTRUCTION DETAIL

PART NO.	PART NAME	Q'TY	MATERIAL	REMARK
1	Diaphragm	1	PET	
2	VOICE COIL	1	Cu	
3	Plate	1	SPCC	
4	Magnet	1	NdFeB	
5	PCB Terminal	1	FR4	
6	Frame	1	ABS	

RESPONSE CURVES

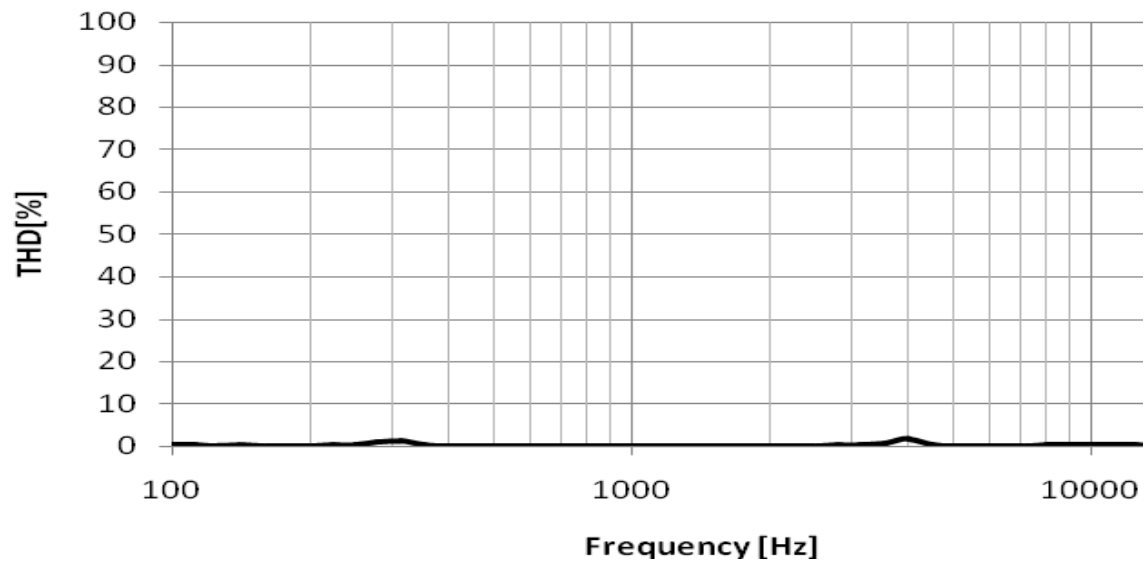
Frequency Response Curve

Test condition: 1KHZ 0.126v,



Total Harmonic Distortion Curve

Test condition: 1KHZ 0.126v,



RELIABILITY TEST

1	Reliability Test Performance	After any following test, parts should conform to original performance within ± 3 dB tested with Rated Power, after 6 hours of recovery period.
2	High Temperature Test	96 hours at $+85^{\circ}\text{C} \pm 3^{\circ}\text{C}$
3	Low Temperature Test	96 hours at $-40^{\circ}\text{C} \pm 3^{\circ}\text{C}$
4	Humidity Test	96 hours at $+40^{\circ}\text{C} \pm 3^{\circ}\text{C}$, 92-95% RH
5	Temp./Humidity Cycle	<p>The part shall be subjected 5 cycles. One cycle shall be 6 hours and consist of</p> <p>The graph illustrates a temperature and humidity cycle. The temperature starts at 25°C, ramps up to 65°C over 0.5 hours, stays at 65°C for 6 hours, and then ramps down to 25°C over 0.5 hours. The humidity is 90 ~ 95 % RH during the 6-hour high temperature plateau. The total cycle duration is 7 hours (0.5 + 6 + 0.5).</p>
6	Vibration Test	<p>Frequency: 10~55~10Hz Oct/min Amplitude: 1.5mm</p> <p>Duration: 2 hours each of 3 perpendicular directions</p>
7	Drop Test	Drop the speaker contained in normal box onto the surface of 40mm thick board 10 times from the height of 75cm
8	Operation Life Test	Must perform normal with program white -Noise source at Rated Power for 96 Hours
9	Termination Strength	Apply 3.0N(0.306kg) to each terminal in horizontal direction for 30 seconds; Apply 2.0N(0.204kg) to each terminal in vertical direction for 30 seconds;

MEASURING METHOD

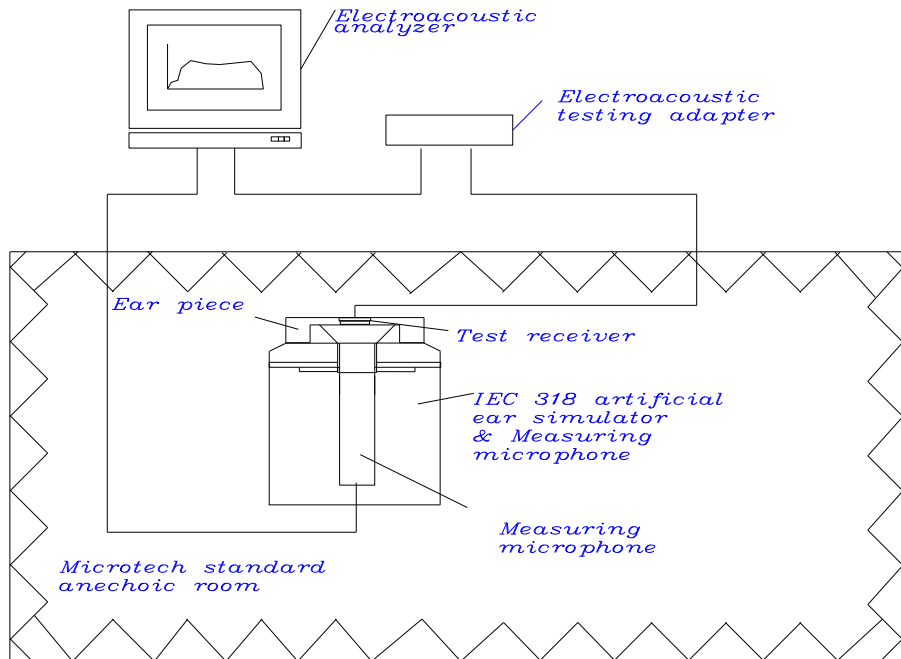


Fig. 2 Speaker Test Condition

PACKAGING

u units: cm

Remark:

25pcs per tray

16 trays for unit, 2 units per carton

Total:800 pcs per box

Size:51.5*34.5*31cm

