

2024 Catalog

Glass Diaphragm

Redefining the Beauty of Sound



GAIT Focus Points

Glass Acoustic Innovations Co., Ltd. is a leader in the global glass acoustic diaphragm industry. We offer a comprehensive product line of UTG glass diaphragms that can be seamlessly integrated into speakers, and also produce speaker drivers.

Providing quality UTG glass diaphragm to customers utilizing speakers through various products, including smart speaker, Hi-Fi speaker, soundbar, headphones, TV Speaker, Laptop Speaker, Auto audio and more.

- **UTG Glass Diaphragm**

It is the only patented technology in the world to break through the old framework and apply the use of "UTG glass" exclusively to "speaker diaphragms". UTG Glass has unique and excellent characteristics as an acoustic material, such as pure, clear and analytical sound signature. It also has natural water resistance, UV resistance, corrosion resistance and many durability characteristics.

- **Original Sound Reproduction**

The clear sound quality of the glass vibrating mold allows for perfect reproduction of the shocking bass, full midrange and analytical treble of the music.

- **Environment Friendly - Plastic Diaphragm Reduction**

The glass is made from natural mineral sand, which is recyclable as well as environmentally friendly.

UTG Glass diaphragms

GlaXfi product series is “Glass X HiFi”-an audiophile sound signature from GAIT patented UTG glass diaphragm.



Benefits of UTG Glass Diaphragm

- Augmented wider frequency range
- Outstanding sound quality
- Proper damping
- Waterproof and weather stable
- High stiffness
- Fantastic outlook
- Ultra-thin speaker design
- ESG compliance

Woofers type



Product specification

• Part no.	W029-d166-330-0	W029-d166-210-0
• For speaker size	6.5 inch	6.5 inch
• Diaphragm diameter (mm)	104.7	104.7
• Voice coil diameter (mm)	25 or 35	25 or 35
• Thickness (mm)	0.33	0.21
• Weight (g)	7.9	5.1



Product specification

• Part no.	W011-0112-210-0	W011-0112-150-0
• For speaker size	6.5 inch	6.5 inch
• Diaphragm diameter (mm)	112	112
• Voice coil diameter (mm)	25	25
• Thickness (mm)	0.21	0.15
• Weight (g)	5.4	3.7

Standard glass diaphragms



Product specification

• Part no.	F011-0093-210-0	F011-0093-150-0
• For speaker size	5.25 inch	5.25 inch
• Diaphragm diameter (mm)	93	93
• Voice coil diameter (mm)	25	25
• Thickness (mm)	0.21	0.15
• Weight (g)	3.9	2.7



Fullrange type

Product specification

• Part no.	F032-0074-150-0	F033-0067-150-0
• For speaker size	4 inch	4 inch
• Diaphragm diameter (mm)	74	67
• Voice coil diameter (mm)	25	25
• Thickness (mm)	0.15	0.15
• Weight (g)	1.8	1.5

Fullrange type



Product specification

• Part no.	F039-7878-210-0	F040-5353-150-0
• For speaker size	3 inch	2 inch
• Diaphragm diameter (mm)	54	34
• Voice coil diameter (mm)	16	16
• Thickness (mm)	0.21	0.15
• Weight (g)	1.3	0.4



Product specification

• Part no.	F014-yd40-210-0	T002-yd38-100-0
• For speaker size	1.5 inch	1.5 inch
• Diaphragm diameter (mm)	25.4	25.6
• Voice coil diameter (mm)	--	--
• Thickness (mm)	0.21	0.1
• Weight (g)	0.26	0.14

Standard glass diaphragms

Tweeter type



Product specification

• Part no.	T002-yd38-070-0	T002-yd38-050-0	T002-yd38-030-0
• For speaker size	1 inch	1 inch	1 inch
• Diaphragm diameter (mm)	25.5	25.6	25.6
• Voice coil diameter (mm)	25	25	25
• Thickness (um)	70	50	35
• Weight (mg)	99	71	49



Product specification

• Part no.	T018-0027-070-0	T018-0027-050-0
• For speaker size	1 inch	1 inch
• Diaphragm diameter (mm)	27.4	27.4
• Voice coil diameter (mm)	25	25
• Thickness (um)	70	50
• Weight (mg)	120	86

Tweeter type



Product specification

• Part no.	T003-0020-070-0	T003-0020-050-0
• For speaker size	3/4 inch	3/4 inch
• Diaphragm diameter (mm)	20.4	20.4
• Voice coil diameter (mm)	20	20
• Thickness (um)	70	50
• Weight (mg)	61	43

Aurora Speaker / 6.5in car woofer with dreamy light BGW-166-68-4-001

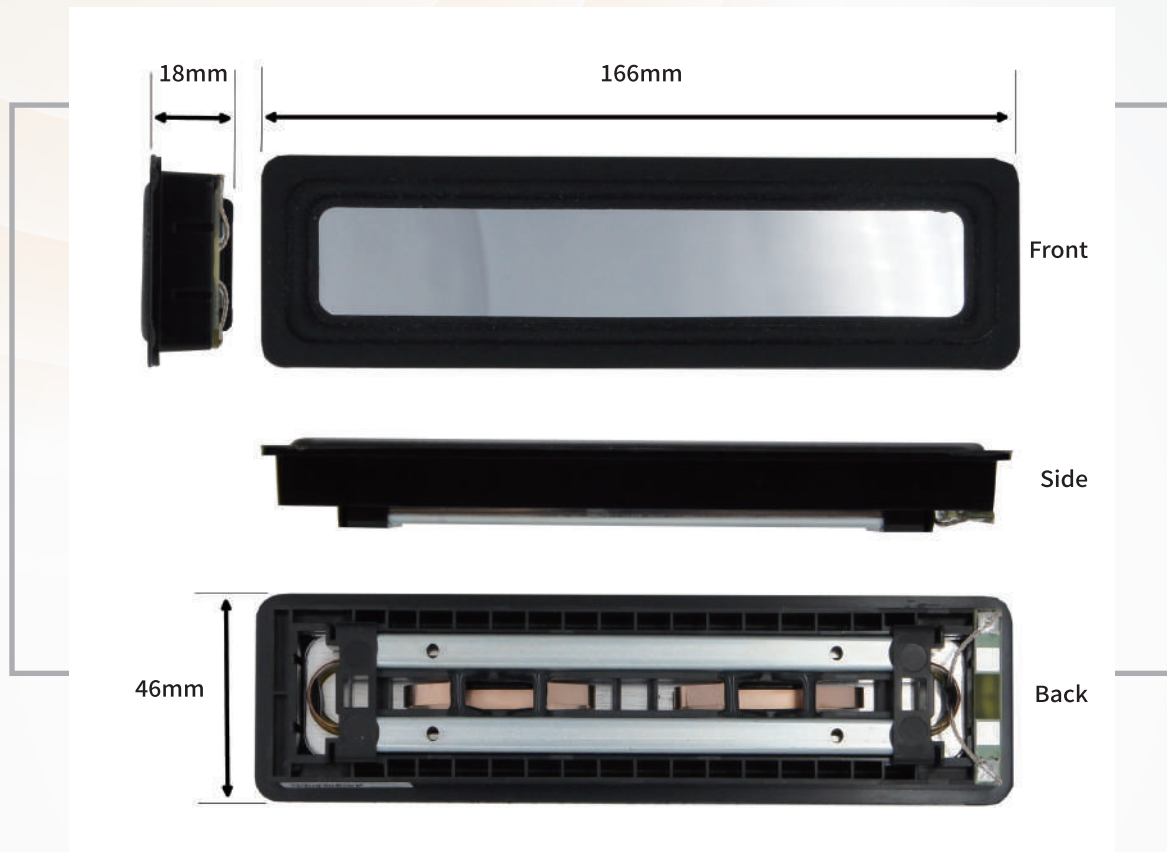


Product specification

- Fo : 40Hz
- SPL : 86dB
- Power handling : 30W/60W(MAX)
- Frequency range : 40-15kHz
- Lighting : RGB LED with Bluetooth control board.

Flat panel woofer

BGF-46166-18-4-003(46x166mm)



Product specification

- Features: 18mm extra low profile with max. 4mm Xmax
- Fo : 90Hz
- SPL : 75dB
- Power handling : 35W (Average) / 180 (Max)
- Frequency range : 60-5kHz

6.5in woofer

BGW-D182-86-4-001



Product specification

- Fo : 45Hz
- SPL : 85dB
- Power handling : 70W
- Frequency range : 45-12kHz

4in Speaker



Product specification

• 4 in	Woofers	Midrange / Fullrange
• Part no	BGW-D116-55-4-001	BGC-D116-55-4-001
• Fo	80Hz	90Hz
• Power handling	30W	30W
• Frequency range	80-5kHz	90-18kHz

1.5in Fullrange

BGC-D40-22-4-002

Product specification

- Fo : 140Hz
- SPL : 86dB (1W/0.5m)
- Power handling : 5W/15W (MAX)
- Frequency range : 140-20kHz



2in Fullrange BGC-5353-36-4-001

Product specification

- Fo : 160Hz
- SPL : 81dB
- Power handling : 10W
- Frequency range : 150-23kHz



3in Fullrange BGC-7878-42-4-011

Product specification

- Fo : 100Hz
- SPL : 83dB
- Power handling : 18W
- Frequency range : 100-23kHz



1in Super Tweeter

BGD-D72-64-4-001

Product specification

- Fo : 1.5kHz
- SPL : 90dB
- Power handling : 20W
- Frequency range : 1.5k-30kHz



1in Super Tweeter

BGD-D110-36-4-001

Product specification

- Fo : 750Hz
- SPL : 85dB
- Power handling : 20W
- Frequency range : 800-40kHz
- Aluminum die casting frame



50mm headphone speaker

BGE-D50-12-32-001

Product specification

- DCR : 32Ω
- SPL : 112dB@1KHz, Input0.179V,
IEC318 Ear
- Power handling : 20mW/30mW(MAX)



10mm earphone speaker

BGE-D10-04-23-001

Product specification

- DCR : 23Ω
- SPL : 105dB@1KHz, Input0.151V,
IEC711 Ear
- Power handling : 10mW/20mW(MAX)

