SHURE®

LEGENDARY PERFORMANCE™

SOUND ISOLATING™ EARPHONES

SE846

- Quad High-Definition MicroDrivers with True Subwoofer
- Patent-Pending Design For Unparalleled Low-End
- Customizable Frequency Response
- Detachable Cable and Removable Nozzle
- Sound Isolating Design
- Premium Accessories



SE846 Sound Isolating™ Earphones

For professional monitoring and personal listening.

Quad High-Definition MicroDrivers with True Subwoofer

For extended high-end clarity and unparalleled low-end performance

- Four custom-engineered, balanced armature drivers tailored to blend precisely with each other.
- Three way system configuration for dedicated low, mid and high frequency distribution

Patent-Pending Design for Unparalleled Low-End

Groundbreaking low-pass filter enables low-end roll-off at ~3dB at 90Hz (~10dB at 250Hz)

- Ten precision-welded, stainless steel plates form 4 inches of high acoustic mass pathway, naturally enabling low frequency roll-off to begin at about 75Hz without distortion or artifacts.
- Provides previously unattainable deep low-end performance of a True Subwoofer without sacrificing clarity or detail.

Customizable Frequency Response

Adjustable sound signatures via changeable nozzle inserts and removable, metal nozzle: balanced, warm and bright options included.

Sound Isolating Design

Comfortable, sound isolating sleeves block up to 37 dB of ambient noise. Sound isolation technology prevents outside noise from interfering with audio, whether on-stage or on the go.

Unmatched Personalization and Comfort

Ergonomic, Flexible Design

- Lightweight, low profile shape with optimized nozzle angle is designed to rest comfortably in the ear.
- Over-the-ear configuration keeps cables out of the way.
- Two included cable lengths (45" and 60") for flexible wearing options.

Detachable Cable with Wireform Fit

- Durable Kevlar™ reinforced cable allows easy replacement or customization.
- Formable wire ensures secure placement, and over the ear configuration keeps cables out of the way.
- MMCX Connector has a lock-snap mechanism allowing 360-degree rotation for comfortable fit.

Durable, Sophisticated Design

Engineered to survive demanding Shure quality standards

- Removable cable and nozzle components ensure a long product life by providing easy and efficient cleaning and part replacement.
- Rugged, ergonomic housing with sweat-resistant construction is built to withstand the extremes of on-stage or everyday wear.
- Crystal-clear housing allows a view of the precision-engineered, laser-etched components of the interior.

Included Accessories

3 Pair Foam Sleeves (S,M,L)
3 Pair Soft Flex Sleeves (S,M,L)
1 Pair Yellow Foam Sleeves
1 Pair Triple Flange Sleeves
Premium Square Carrying Case
1/4" Adapter (6.3 mm)
Volume Control
Airline Adapter
45" Detachable Cable
Nozzle Removal Key
Nozzle Inserts (2 pairs)
Cable Clip
Polishing Cloth



SE846 Specifications*:

Speaker Type: Quad High-Definition MicroDrivers with True Subwoofer
Sensitivity (1kHz): 114 dB SPL/mW
Impedance (1kHz): 9 Ω
Noise Attenuation: Up to 37 dB
Frequency Range: 15 Hz–20 kHz
Input Connector: Gold-plated 3.5 mm (1/8")
Cable: 45" and 60" detachable Cable with wireform fit

Removable Nozzle: provides adjustable sound signatures via changeable nozzle and allows for easy cleaning

Color	Sound Signature	Response
Blue	Balanced	Neutral (as shipped)
White	Bright	+2.5 dB, 1kHz to 8 kHz
Black	Warm	-2.5 dB, 1kHz to 8 kHz



In an effort to continually improve our products, technical specs are subject to change without notice.

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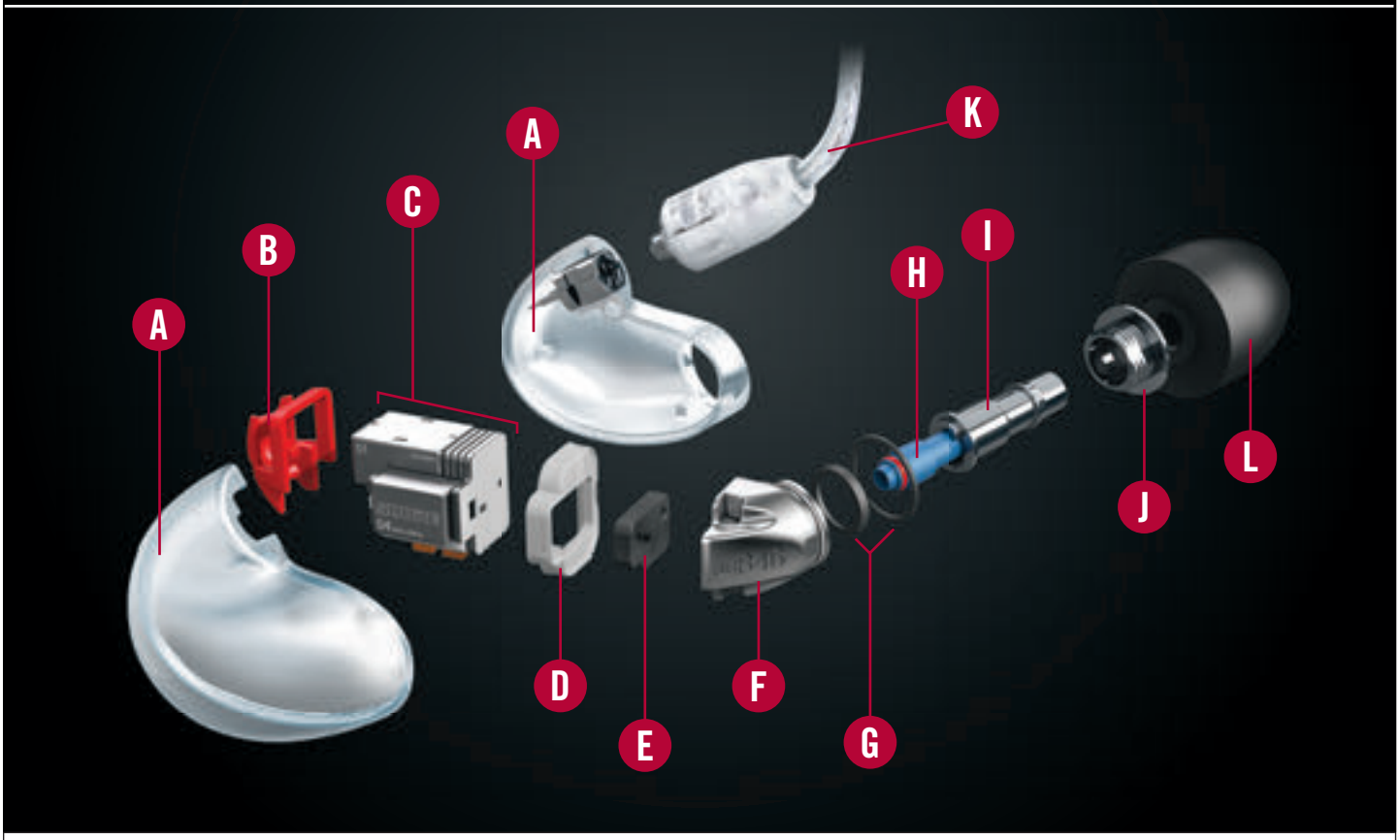
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SOUND ISOLATING™ EARPHONES

SE846 Internal Component View



SE846 COMPONENTS

A **Rugged Ergonomic Housing**
The low-profile design features durable, sweat-resistant construction, built to fit comfortably in the ear and withstand the extremes of on-stage or everyday wear.

B **Driver Carrier**
Indicates right (red) or left side (clear) and securely holds the driver unit in place.

C **Driver Assembly Unit**
Precision engineered component composed of four High-Definition MicroDrivers (dedicated high, mid, and dual low frequency speakers) and ground breaking low-pass Filter design. Acts as the earphone's engine to deliver true subwoofer performance with extended high-end clarity.

D **Shock Isolator**
Shock protector that guards the MicroDrivers against sudden impact.

E **Driver Acoustic Seal**
Maintains the integrity of the acoustic system while efficiently directing audio to the nozzle.

F **Nozzle Interface**
Laser etched with the SE846 model number, the nozzle interface joins the acoustic and nozzle seals to the stainless nozzle, efficiently directing the sound to the nozzle.

G **Nozzle Interface Seals**
Comprised of two seals that securely integrate the nozzle interface with the stainless nozzle. One is designed for environmental protection against moisture/perspiration, and the other for acoustics.

H **Nozzle Insert**
Removable filtered tube that sits inside the stainless nozzle. Three options included provide the option to change the sound signature with a shift of about 3-5 dB in the 1 kHz – 8 kHz range.

I **Stainless Steel Nozzle**
Specially angled metal tube ensures efficient audio delivery and ergonomic fit. Removable for easy cleaning or replacement for customizing frequency response.

J **Stainless Steel Threaded Collar**
Removable to allow for stainless nozzle replacement and cleaning. Ensures snug/correct fit of the nozzle and nozzle inserts into the nozzle interface unit.

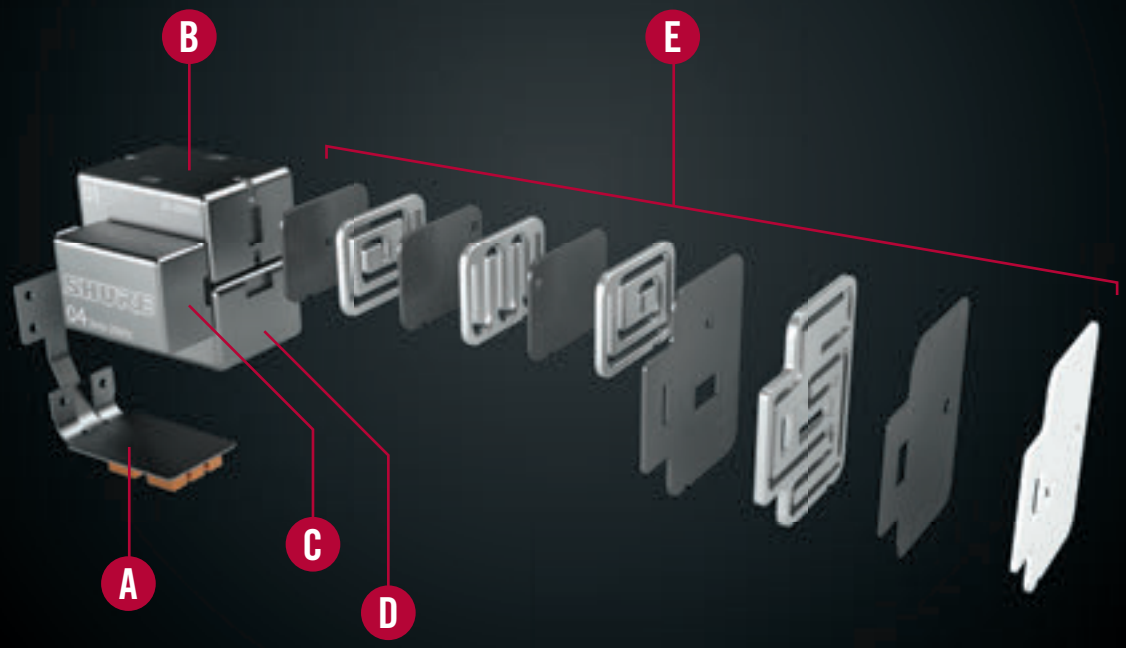
K **Detachable Cable**
Wireform fit ensures secure placement, detachability for easy replacement or customization, and Kevlar™ reinforced for durability. Worn over the ear.

L **Sound Isolating™ Sleeve**
selection of foam and flex sleeves create a customized fit and comfortable seal that blocks background noise.

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SE846 Internal Component View



SE846 DRIVER ASSEMBLY INSET

A **Internal Three-Way Crossover**
Capacitors and resistors built to route specific frequencies to the appropriate MicroDrivers ensuring clarity across the audio spectrum.

B **Dual Vented Low Frequency MicroDrivers (01 + 02)**
Audio signal from these dual MicroDrivers travels though the low-pass filter, allowing low frequency roll-off to begin at 75Hz without introducing distortion and providing true subwoofer performance with deep, accurate bass.

C **High Frequency MicroDriver (04)**
Designed for extended high-end clarity and low distortion.

D **Mid Frequency MicroDriver (03)**
Custom-engineered to blend with the low and high frequency drivers. The audio signal is routed through a special microscopic electroform damper fabricated into one of the stainless steel plates in the low-pass filter design, avoiding comb filtering at the crossover regions and providing a smooth, clean presence.

E **Low-Pass Filter**
Composed of ten small stainless-steel plates laser welded to the front of the driver assembly unit, the ground breaking design forms 4 inches of high acoustic mass path which naturally allows for low frequency roll-off to begin at about 75Hz without distortion or artifacts.