

# Subwoofers **SW8100 Aluminum DVC Series**

## **SW8100 Aluminum Series**

The SW8100 Series subwoofers feature aluminum cones that are rigid, lightweight and do not deform in the toughest conditions. The aluminum voice coil former couples directly with the aluminum cone for very efficient heat dissipation. The cone can travel a full 2.6 inches. The SW8100 Series Subwoofers deliver SPLs equal to two or three common subwoofers with just a standard 1-inch travel capability and power handling exceeds 1000 watts at peak levels.

### Aluminum cone.

Solid aluminum — an especially hard grade, 3003-H19 — has ultra-high stiffness-to-mass ratio for superb transient response. Parabolic cone geometry guarantees rigid construction, low distortion, and piston-like behavior at tremendous SPLs.

### 1-inch surround.

A 1-inch wide, 1/2-inch tall surround provides an extended, controlled stroke. Santoprene synthetic rubber is weatherproof, very pliable and durable at all temperatures and has excellent damping characteristics to reduce cone resonance distortions.

### 3-inch voice coil.

Large 3-inch diameter, 4-layer voice coil for maximum power handling and driver control. Long 1.6-inch voice coil ensures extended and controlled cone stroke with low distortion.

### Black anodized voice coil former.

The all-aluminum voice coil former is black anodized for maximum heat absorption. It is bonded directly to the solid aluminum cone using thermally conductive adhesives. The cone serves as a heatsink for the voice coil for the highest power handling with minimal thermal compression.

### Dual Mirror-Image Spiders.

ECLIPSE employs two mirror-image spiders — one on top of the other. Mirror image configuration cancels minor push-pull variations. Additionally, dual spider geometry permits only perfectly aligned in/out voice coil travel with almost no lateral movement. Mounted vertically or horizontally, the subwoofers produce highly linear motion and very low distortion.

- Cast aluminum frame
- Double-stacked magnet
- One-piece machined back plate/pole piece
- Aero-vented pole
- QCA (Quick Change Assembly) technology



### **SW8152DVC**

15" Subwoofer (4Ω + 4Ω)

### **SW8152.4**

15" Subwoofer (4Ω)



### **SW8122DVC**

12" Subwoofer (4Ω + 4Ω)

### **SW8122.4**

12" Subwoofer (4Ω)



### **SW8102DVC**

10" Subwoofer (4Ω + 4Ω)

### **SW8102.4**

10" Subwoofer (4Ω)

### Features

- Santoprene surround
- Aluminum cone
- Dual mirror-image spiders
- Aluminum voice coil former
- "Bottomless" design
- Aero-vented pole piece
- Cast aluminum frame
- Double-stacked magnet
- Small sealed-box enclosure
- Continuous power handling: 500W
- Music power handling: 1,000W
- New dual voice coil
- QCA (Quick Change Assembly) technology
- 3" diameter voice coil

	SW8152DVC	SW8152.4	SW8122DVC	SW8122.4	SW8102DVC	SW8102.4
Fs	27Hz	22Hz	27Hz	22Hz	26Hz	22Hz
Qts	0.39	0.35	0.30	0.35	0.47	0.41
DCR	4.0Ω/coil	3.1Ω	4.0Ω/coil	3.1Ω	4.0Ω/coil	3.1Ω
Vas	6.10 Cuft	7.78 Cuft	3.20 Cuft	4.25 Cuft	2.01 Cuft	2.94 Cuft
Xmax (one way)	1.30"	1.30"	1.30"	1.30"	1.20"	1.20"