

# ROCKVILLE

## SPECIFICATIONS

**Application:** Subwoofer

**Basket Type:** Cast iron with black sanded finish

**Cone:** Ultra stiff black non-pressed paper cone

**Dust Cap:** Polypropylene dust cap

**Surround Style:** High density thick stitched foam

**Magnet Weight:** 50 oz

**2" Single 4-Ohm 4-Layer Black Aluminum Voice Coil**

**Impedance:** 4 ohm

**CEA / RMS / Peak Watts:** 350 / 700 / 1400

**Frequency Response:** 25Hz – 1.5KHz

## TECHINCAL DATA

**Cut-out Diameter:** 11.22" (285mm)

**Mounting Depth:** 5.03" (127.62mm)

**Gap Plate Inside Diameter:** 3.14" (80mm)

**Gap Plate Outside Diameter:** 6.14" (156mm)

**Gap Plate Thickness:** 0.98" (25mm)

**Yoke Outside Diameter:** 5.7" (145mm)

**Yoke Pole Diameter:** 2" (50mm)

**Yoke Thickness:** 0.23" (6mm)

**Washer Diameter:** 0.23" (6mm)

**Weight:** 10.1 lbs

## RECOMMENDED BOX DIMENSIONS

**Sealed enclosure:** 0.8 – 1.3 cubic feet

**Vented Enclosure:** 1.3 – 2 cubic feet

# W12K5S4

12" 4-OHM SVC SUBWOOFER

# 1400W

PEAK POWER

## TS PARAMETERS

- Re: 3.31 Ohm
- Le: 0.944mH
- L2: 1.468mH
- R2: 14.7 Ohm
- Cmes: 871.67 $\mu$ F
- Lces: 20.9mH
- Res: 31.48 Ohm
- fs: 37.3Hz
- Mms: 130.02g
- Mmd (Sd): 117.731g
- Rms: 4.738kg/s
- Cms: 0.14mm/N
- Kms: 7.14N/mm
- Bl: 12.213N/A
- Lambda s: 0.028
- Qtp: 0.612
- Qms: 6.429
- Qes: 0.675
- Qts: 0.611
- Vas: 47.7813l (1.68 cu ft)
- n0: 0.353%
- Lm: 87.67dB
- Lnom: 88.5dB
- Sd: 490.87cm<sup>2</sup>
- rmse Z: 3.94%
- rmse Hx: 2.2%
- xmax: 8mm

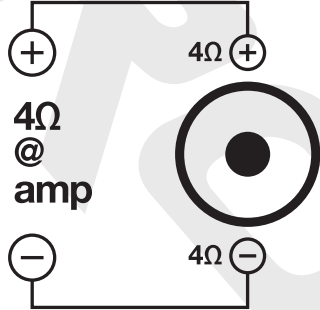
# WOOFER WIRING CONFIGURATIONS

Use the diagrams below to determine which amplifier is best compatible with your subwoofers, and to determine the best way to wire your subwoofers to your amplifier.

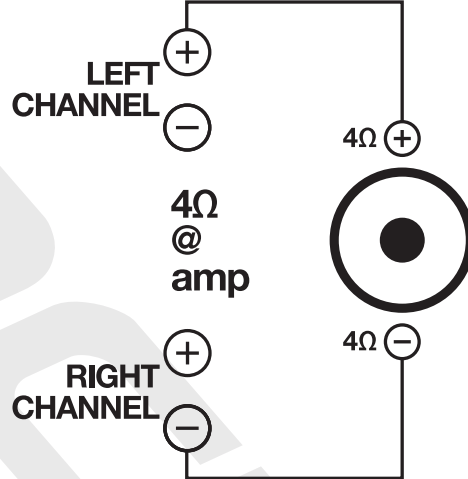
## ONE 4Ω SVC WOOFER

Wiring one SVC sub to an amp is the most basic type of wiring. The best option is to always match the exact impedance of the sub to the exact impedance the amp is stable at. For a SVC 4-ohm sub, we recommend that you wire it to a 2-ohm stable mono amp or you can use a 2-channel amp that is stable at 4 ohms when bridged.

**WIRED TO A 2-OHM STABLE MONO AMPLIFIER**



**WIRED TO A 2-OHM STABLE 2-CHANNEL AMPLIFIER BRIDGED AT 4 OHMS**



## TWO 4Ω SVC WOOFERS

The best way to wire two SVC 4-ohm subs is to run them in parallel, bringing the load down to 2 ohm. You can use a mono amplifier that is stable at 1 ohm or 2 ohms without a problem.

**WIRED IN PARALLEL TO A 1-OHM OR 2-OHM STABLE MONO AMPLIFIER**

