



## Digital Integrated Amplifier

# CA-S10

Dual Monaural Construction, 100W/8Ωx2



## Advantages

- **Dual Monaural Construction**

Independent power supply is provided on each channel independently.

This construction supports high speed digital amplifier operation strongly and safely achieving the high channel separation.

- **Bi-Phase PWM Amplification**

The advanced Bi-Phase PWM(3-Level PWM) Amplification ensures high sound quality like tube-amps.

It achieves superb resolution and linearity at any low to high output levels.

Dual(Analog&Digital)NFB ensures isolation from AC Power Voltage fluctuation and stable amplification.

- **Non Mechanical Contact Input Selector**

The DC amplifier configuration ensures rich bass, clear musical scale bass and plenty of presence.

- **Single-pole Preamplifier**

Newly developed Active Volume Control circuitry ensures the constant sound quality at any volume position.

| Theoretical Performance of this circuit

Ultra wideband	DC~100MHzm 16.5dB
Ultra low noise	S/N Ratio: 127dB(IHF-A)
Slew Rate	1500V/μs

- **Tight and solid chassis construction for suppression of vibration effects.**

## Features

Compact Body	281x54x253mm/11-1/16"x2-1/8"x9-15/16" (WxHxD)
High Sound Quality	Proprietary Bi-Phase PWM Amplification and Full Resonance Switching Power Supply
Gold Plated Input/output PIN Jacks	3 Inputs / 1 pre-out
Super Linear and Low Noise Preamplifier	The Flying Mole's Original Single-Pole Amplifier
High Precision Active Volume Control	Pure Audio Quality Potentiometer
High Total Efficiency	Rated Power Output : 85% at 100W, 8Ω 1/8 Rated Power Output : 60% at 12.5W, 8Ω
Protection Circuits	Excessive Heat / Speaker Short
Environmentally Friendly	Correspondent to RoHS Directive
Detachable AC Power Cable	Yes

## Specifications

Rated Output Power	100W x 2 : @8Ω, (20Hz-20kHz) 160W x 2 : @4Ω, (20Hz-20kHz)
Channel Separation	70dB (20kHz)
Frequency Response	DC - 20kHz (+0dB/-0.5dB) / (8Ω) DC - 50kHz (+0dB/-3dB) / (8Ω)
Signal to Noise Ratio	120dB
Residual Noise	25µV
Input Sensitivity	150mV
Input Impedance	10kΩ
Power Consumption	60W
Outer Dimensions	281x54x253mm(11-1/16"x2-1/8"x9-15/16")
Max. Outer Dimensions	281x60x292mm(11-1/16"x2-3/8"x11-1/2")

Designed and Manufactured by

**Flying Mole Corporation**

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