

S-AMP 3.0D

1-channel amplifier module



✓ ACTIVE SUBWOOFERS

1
CHANNELS

CLASS
D

DSP
ON
BOARD

PFC
✓

LLC
HALF-BRIDGE
INVERTOR

Features

Class D

Precise sound transmission

Low amount of thermal distortion, which is especially noticeable in low-frequency playback

Impulse power supply with active power factor corrector (PFC), allowing efficiency of up to 96%

Full control of the speaker cone due to the extremely low output impedance

The power supply is based on the LLC resonant half-bridge converter topology. The rectangular structures typical of capacitor circuits, are converted to sinusoidal waves, which significantly improves efficiency

Applications

Active low-frequency loudspeakers
(Subwoofers)

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Specifications

DSP

Tunable HPF (Subsonic) with shutdown	20-50Hz (measured at -3dB) and the slope is 24dB/Oct.
Tunable LPF (LowPass Filter) with shutdown	60-500Hz (measured at -3dB) and the slope is 24dB/Oct.
Tunable limiter that cannot be deactivated	-12dB – 0dB
Phase rotation function	0°, 180°

Amplifier

Number of output channels	1 in/1 out
Maximum output voltage of channel 1	155V

Output power according to CEA-2006 / 490A (1% THD, 1 kHz), 1 channel

4 Ohm	3000 W
8 Ohm	1500 W

Sound performance

Signal-to-noise ratio	>100 dB
THD + N at 1 kHz and 1 dB below overload	<0,2%
Dumping factor (100 Hz)	>90 (4 Ohm) >180 (8 Ohm)

Input impedance

Balanced	20 kOhm
Unbalanced	10 kOhm

Mains Power

Power supply	Impulse with Power Factor Corrector (PFC)
Rated mains voltage	160 - 250 V (50 - 60 Hz)

Weight and dimensions characteristics

Dimensions (WxHxD)	170x460x90 mm
Weight	3,2 kg