# **S-AMP** K1502M

## 2-channel amplifier module



### ☑ ACTIVE LOUDSPEAKERS



#### **Features**

Class D with active distortion compensation

The most accurate sound reproduction account of less deep feedback

No noticeable thermal distortion when playing low frequencies

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

No need to use Zobel chains, and since the feedback is taken directly from the output, distortion and non-linearities are corrected, which are included in the signal

Switching power supply with active power factor corrector (PFC), so the efficiency can reach 96%

The power supply is based on an LLC resonant half-bridge converter topology. Rectangular structures typical of capacitor circuits are converted into sine waves, greatly improving efficiency

### Applications

Active loudspeakers Configurations: Subwoofer+Satellite (full range) bridge mode Satellite (Bi-Amp)



# **5-AMP** K1502M

## 2-channel amplifier module

Specifications	
DSP	
Architecture	32-bit fixed point
Control system	Specialized Software
Latency	0,24 ms
10-band parametric equalizer	One in the preprocessing channel, and One in each postprocessing channel
Supported filter types	HiPass, LowPass, peaking, shelving
Crossover	3-band
IIR filter types supported	Linkwitz-Riley, Butterworth, Bessel (12 dB/oct. до 48 dB/oct.)
FIR filter suppor	Optional
Delay	Up to 80 ms in the preprocessing channel Up to 32 ms in each postprocessing channel
Limiters	Non-disconnectable, Parameterized RMS and Peak
Amplifier	
Number of output channels	1 in/2 or 1 out
Maximum output voltage per channel	77 V
Maximum output current per channel	30 A
Output power according to CEA-2006 / 490A (1% THD, 1 kHz) per channel	
4 Ohm	750 W
8 Ohm	375 W
16 Ohm	190 W
Output power according to CEA-2006 / 490A (1% THD, 1 kHz), bridge mode	
4 Ohm	1500 W with limiter
8 Ohm	1500 W
16 Ohm	725 W
Sound performance	
Gain	15-36 dB
Signal-to-noise ratio	>105 dB
Frequency response (120W, 4 Ohm)	20 Hz-20 kHz (± 1dB)
THD + N at 1 kHz and 1 dB below overload	<0,05%
Damping factor (4 Ohms, 20Hz - 20kHz)	>500
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)
Consumption	
No load power consumption	34 W
1/8 of maximum power, 8 Ohm, bridge	231 W
1/4 of maximum power, 8 Ohm, bridge	420 W
Maximum power, 8 Ohm, bridge	1730 W
Weight and dimensions characteristics	
Dimensions (WxHxD)	510x160x110 mm
Weight	5 kg

