

## Mono channel Class D Amplifier

The FPU200/400/700/2000 is **High Efficiency Power Amplifier Module** designed to meet the manufacturers of professional electronics, audio performance is easy to integrate into a wide range of product from active speakers, guitar amp-head, through to home audio products. The excellent efficiency and audio performance are delivered in an ultra-compact and lightweight package.

### FPU Applications

For Power-Mixer / Power amp / Guitar amp / Consumer- home theater / Karaoke-Amp...

### FPU Features

- Excellent sound quality and compact size nearly every application where high performance in a small package is needed.
- Active speakers and subwoofers for home use
- Professional audio guitar-amp, keyboard, studio and installation use
- Karaoke or A/V amplifiers and receivers.
- Pop-free start and stop control
- Graceful protection for over current/over voltage protection/over temperature protection

### FPU200 Specification

■ Output power(RMS)@SE	200W	THD 1%	4ohm load
■ Distortion TH+N	0.08%	20Hz<F<20KHz,1W	
■ DC offset	1mV		
■ Output noise	25uV	unwtd 20Hz-20KHz	
■ Output impedance	15m ohm	f<1khz, 75m ohm	f<20khz
■ Power bandwidth	20Hz-35KHz		
■ Frequency Response	20Hz-50KHz	-3dB	
■ Voltage Gain	15dB		
■ Required input level	2.4V(200W	THD 1%	4ohm load)
■ Output efficiency	90%		
■ S/N R	>100dB		
Absolute maximum ratings			
■ Power supply voltage	+/-48Vdc		
■ Driver supply voltage	15v	200mA	
■ Audio input voltage	+/-12Vdc		
■ Heat-sink temperature	85°C		
■ Dimensions	73*67*30mm		



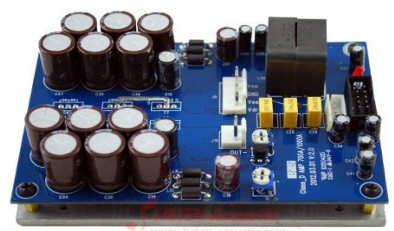
### FPU400 Specification

■ Output power(RMS)@SE	400W THD 1% 4ohm load
■ Distortion TH+N	0.07% 20Hz<F<20KHz,1W
■ DC offset	1mV
■ Output noise	70uV unwtd 20Hz-20KHz
■ Output impedance	20m ohm f<1KHz, 80m ohm f<20KHz
■ Power bandwidth	20Hz-35KHz
■ Frequency Response	20Hz-50KHz -3dB
■ Voltage Gain	26dB
■ Required input level	2.4V(400W THD/1% 4ohm load)
■ Output efficiency	90%
■ S/N R	>100dB
Absolute maximum ratings	
■ Power supply voltage	+/-75Vdc
■ Driver supply voltage	15v 200mA
■ Audio input voltage	+/-12Vdc
■ Heat-sink temperature	85°C
■ Dimensions	80*75*34mm



### FPU700 Specification

■ Output power(RMS)@SE	700W THD 1% 4ohm load
■ Distortion TH+N	0.09% 20Hz<F<20KHz,1W
■ DC offset	1mV
■ Output noise	45uV unwtd 20Hz-20KHz
■ Output impedance	20m ohm f<1khz, 650m ohm f<20KHz
■ Power bandwidth	20Hz-35KHz
■ Frequency Response	20Hz-50KHz -3dB
■ Voltage Gain	26dB
■ Required input level	2.65V(700W THD 1% 4ohm load)
■ Output efficiency	90%
■ S/N R	>100dB
Absolute maximum ratings	
■ Power supply voltage	+/-90Vdc
■ Driver supply voltage	15v 200mA
■ Audio input voltage	+/-12Vdc
■ Heat-sink temperature	85°C
■ Dimensions	120*80*38mm



## FPU2000 Specification

■ Output power(RMS)@SE	2400W	THD 1%	4ohm load
■ Output power(RMS)@SE	2000W	THD 1%	2ohm load
■ Distortion TH+N	0.08%	20Hz<F<20KHz,1W	
■ DC offset	1mV		
■ Output noise	15uV	unwtd 20Hz-20KHz	
■ Output impedance	10m ohm	f<1KHz,	50m ohm f<20KHz
■ Power bandwidth	20Hz-35KHz		
■ Frequency Response	20Hz-50KHz -3dB		
■ Voltage Gain	34dB		
■ Required input level	2.3V(2500W	THD 1%	4ohm load)
■ Output efficiency	90%		
■ S/N R	>100dB		
Absolute maximum ratings			
■ Power supply voltage	+/- 50-90V		
■ Driver supply voltage	15v 200mA		
■ Audio input voltage	+/-12Vdc		
■ Heat-sink temperature	85°C		
■ Dimensions	150*110*40mm		

