



# Class D Plate Amplifier

## P815, P18, P15, P10

700Wx2 (P815, P18) 350W x 2 (P15, P10)

### Technical Specifications



#### Specifications

#### P15/P10

#### P815/P18

##### General

Number of Channels		1 in - 2 out
Output power (EIAJ Test Standard, 1KHz, 1% THD)	350 W x 2	700W x 2
<b>AC Mains Power</b>		
Power Requirements	AC 100 V -250 V +/- 10%, DC - 80 Hz	
Start-up voltage	90 VAC (130 VDC)	
Minimum operational voltage	70 VAC	
Shutdown voltage	290 VAC	
Efficiency	> 95% (starting from 1/8 of the maximum output power)	
<b>Power consumption</b>		
Idle	35 W	35 W
BTU (1/8 of full power)	75 W	150 W
Full	250 W	500 W

##### Thermal

Max environmental operating temperature	40° C
Thermal dissipation	Fan, variable speed, temperature controlled

##### Audio

Gain	32 dB
Frequency response	3 Hz - 45kHz (± 3dB) for 1 W @ 8 ohms
S/N ratio (amplifier section)	> 113 dBA (20 Hz - 20 kHz, A weighted)
Crosstalk separation	> 70 dB @ 1 kHz
Input sensitivity @ 8 ohms	1.7 dBu at full gain
Max input level	+15 dBu
Input impedance	10 Kohms balanced
THD+N / SMPTE IMD	< 0.005% from 0.1 W to full power
DIM100 IMD	< 0.001% from 0.1 W to full power
Slew rate	30 V/~s @ 8 ohms, input filter bypassed
Damping factor	> 500 @ 100 Hz

##### DSP & Networking

A/D converter	Dual 24 bit 48 kHz Tandem® architecture with dynamic range of 118 dBA mono input and 100 dBA stereo input; THD <0.02% (20 Hz - 20 kHz)
D/A converter	Dual 24 bit 48 kHz Tandem® architecture with dynamic range of 115 dBA and THD < 0.02% (20 Hz - 20 kHz)

##### Construction

Dimensions	100mm x 330 mm x 63 mm 3.9" x 13" x 2.48"	100 mm x 330 mm x 110 mm 3.9" x 13" x 4.33"
Weight	1.1 Kg (2.4 lbs.)	1.6 Kg. (3.5 lbs.)