

MODEL: PCB-21AMP-ASSY

2.1 Channel Class D Amplifier with control panel

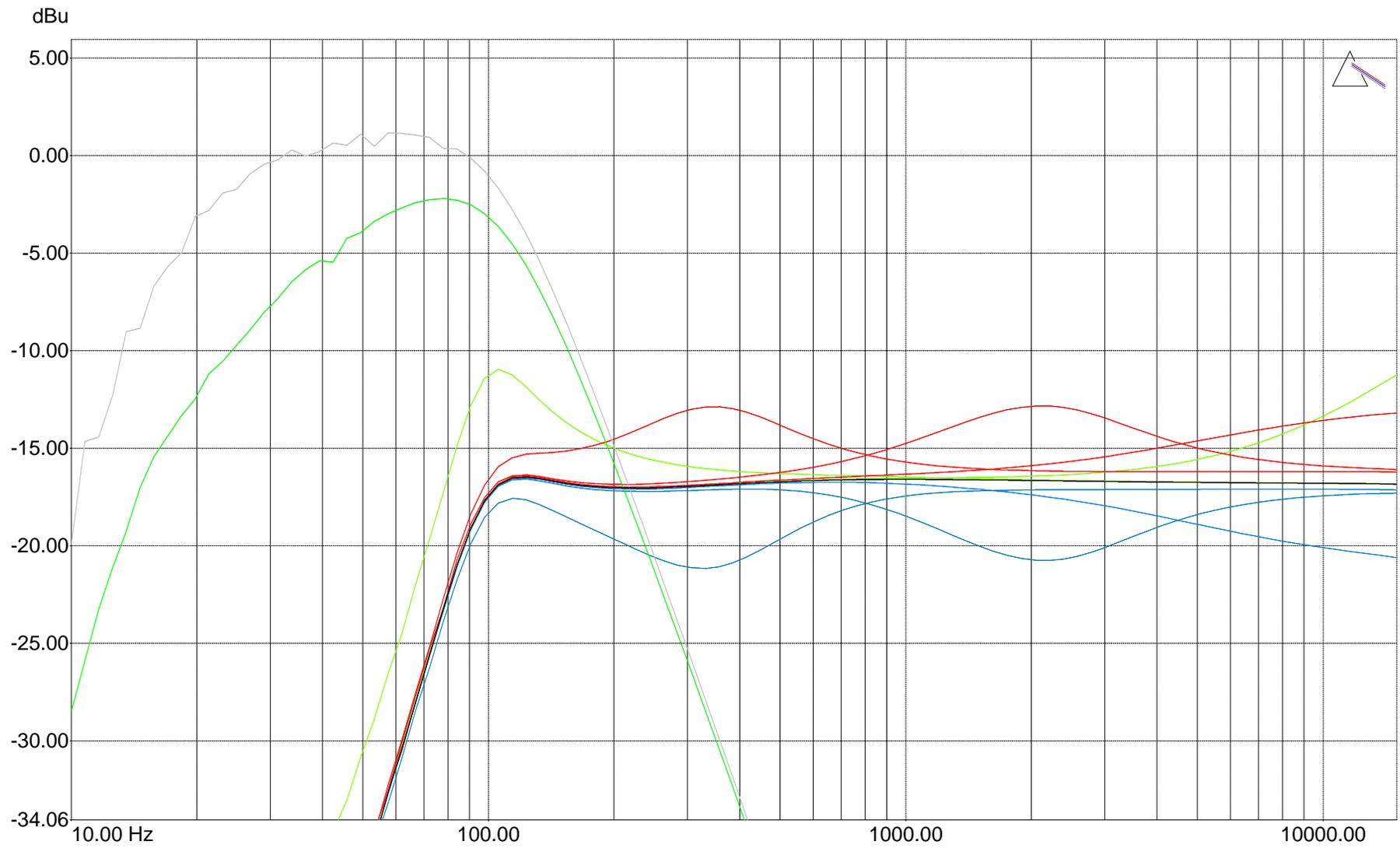
- High Efficiency 2.1 Channel Class D Amplifier
- 12VAC or 12-24VDC Input
- Stereo Full Range Satellite Speaker Outputs
- 45 to 20kHz System Rated Frequency Range (With Select Full Range Drivers)
- 100 dB SPL Max Woofer Output (Satellites Dependent on Selected Models)
- Customizable jumpers for tailored frequency EQ

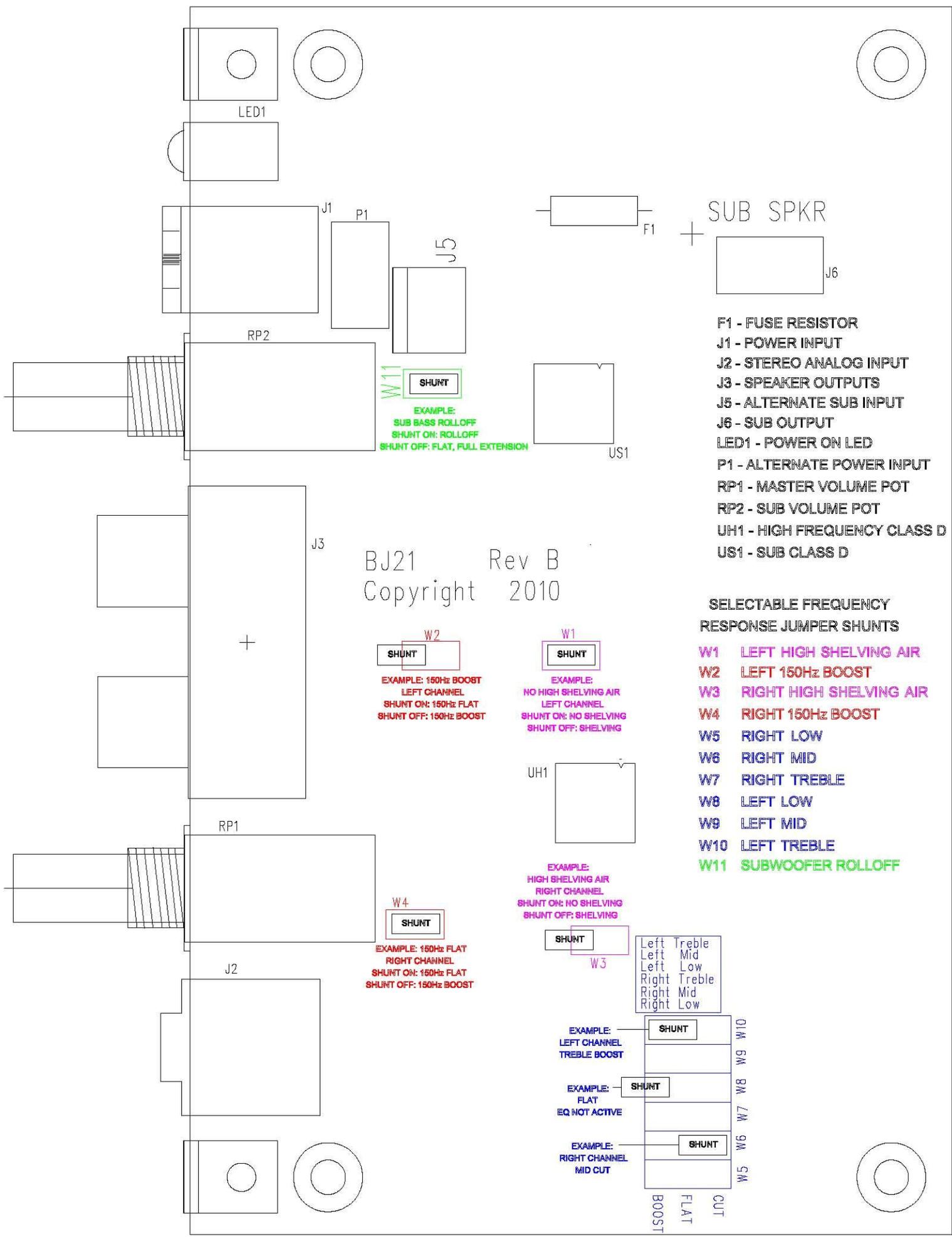
Amplifier Output Specifications				
Channel Type	Power Supply	Speaker Impedance	THD+N	Output Power (Watts)
Left or Right Full Range	12VDC	8 Ω	1%	8
Left or Right Full Range	18-24VDC	8 Ω	1%	13.5
Left or Right Full Range	12VDC	8 Ω	10%	10
Left or Right Full Range	18-24VDC	8 Ω	10%	17.5
Subwoofer	12VDC	4 Ω	1%	15.5
Subwoofer	18-24VDC	4 Ω	1%	27
Subwoofer	12VDC	4 Ω	10%	19.5
Subwoofer	18-24VDC	4 Ω	10%	35

- | Amplifier Key Features |
|---|
| <ul style="list-style-type: none"> • 110Hz 18/dB Octave Crossover • Subsonic Filter on Subwoofer Channel • Optimized Mid-Range and High-Frequency Active Equalization • Adjustable Volume and Woofer Level Controls • Color Coded RCA Connectors for Full Range Speaker Hook-up • 3.5mm Stereo "Mini-Jack" Audio Input • 6.5mm Barrel with 2.1mm Center Pin Power Connector • LED Power Light |



BJ21 Amp EQ and x-over





BJ21 Rev B
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SUB SPKR

- F1 - FUSE RESISTOR
- J1 - POWER INPUT
- J2 - STEREO ANALOG INPUT
- J3 - SPEAKER OUTPUTS
- J5 - ALTERNATE SUB INPUT
- J6 - SUB OUTPUT
- LED1 - POWER ON LED
- P1 - ALTERNATE POWER INPUT
- RP1 - MASTER VOLUME POT
- RP2 - SUB VOLUME POT
- UH1 - HIGH FREQUENCY CLASS D
- US1 - SUB CLASS D

SELECTABLE FREQUENCY RESPONSE JUMPER SHUNTS

- W1 LEFT HIGH SHELVING AIR
- W2 LEFT 150Hz BOOST
- W3 RIGHT HIGH SHELVING AIR
- W4 RIGHT 150Hz BOOST
- W5 RIGHT LOW
- W6 RIGHT MID
- W7 RIGHT TREBLE
- W8 LEFT LOW
- W9 LEFT MID
- W10 LEFT TREBLE
- W11 SUBWOOFER ROLLOFF

W2
SHUNT
EXAMPLE: 150Hz BOOST
LEFT CHANNEL
SHUNT ON: 150Hz FLAT
SHUNT OFF: 150Hz BOOST

W1
SHUNT
EXAMPLE: NO HIGH SHELVING AIR
LEFT CHANNEL
SHUNT ON: NO SHELVING
SHUNT OFF: SHELVING

W4
SHUNT
EXAMPLE: 150Hz FLAT
RIGHT CHANNEL
SHUNT ON: 150Hz FLAT
SHUNT OFF: 150Hz BOOST

UH1
SHUNT
EXAMPLE: HIGH SHELVING AIR
RIGHT CHANNEL
SHUNT ON: NO SHELVING
SHUNT OFF: SHELVING

W3
SHUNT

Left	Treble
Left	Mid
Left	Low
Right	Treble
Right	Mid
Right	Low

W5 **W6** **W7** **W8** **W9** **W10** **W11**

SHUNT	BOOST
SHUNT	FLAT
SHUNT	CUT