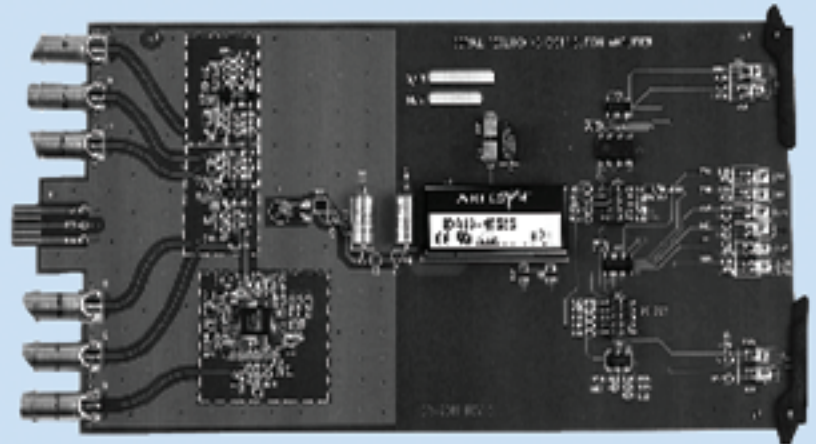


# Serial Reclocking Distribution Amplifier

Model: PA-6000-210

- Compatible with PatchAmp Frames
- True 75Ω Impedance
- 5 Reclocked Serial Outputs
- Supports SMPTE 259M-ABCD and 540 Mbps
- DVB-ASI Compatible
- Auto Bit-Rate Selection
- Auto Equalization up to 1400ft. (Belden 1694A)
- Output Drives 1000ft. (Belden 1694A)



## Technical Specifications:

### Supported Formats:

SMPTE 259M

A (143 Mbps) B (177 Mbps)

C (270 Mbps) D (360 Mbps)

Proposed (540 Mbps) • DVB-ASI (270 Mbps)

### Input:

Connector.....PCB Edge Launch BNC

Impedance.....True 75Ω

Return Loss.....> 18db @ 270 Mbps

Auto EQ.....Up to 1400ft.

(Belden 1694A @ 270 Mbps)

Signal Level.....800-mV p-p Typical

### Output:

Number of Outputs.....5

Connector .....PCB Edge Launch BNC

Impedance .....True 75Ω

Return Loss.....> 18 dB @ 270 Mbps

DC Offset.....0 V +/- .01

Common Mode Noise.. 0 V +/- .01

Alignment Jitter......15 UI p-p

Low Frequency Jitter.... .05 UI p-p

Signal Level Maximum..800-mV p-p Typical

Cable Length.....1000 ft. (Belden 1694A)

### Power System:

Input Voltage.....+48 V dc

Power Dissipation.....< 3 Watts

Hot Swappable.....Yes (True Hot Swappable,  
power before signal)

### External Power Supply:

AC Input.....Universal

Volts .....100-240 AC

Frequency .....47-63 Hz

Redundant .....Yes (N+1)

Hot-Swappable.....Yes

### Indicators:

• Power Good • Signal Lock • SMPTE Only

• Auto Bit Rate (Low Rate, 143, 177, 270, 360, and 540)

• Active Bit Rate • Input Signal Strength (High, Medium, Low)

FCC Part 15 Class A Compliant

# PATCHAMP

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