

## GuitarAmplifierPCBs.com 18 Watt SuperLite

### Parts List for Valve Junior Conversion

Prices may change without notice.

Use these prices ONLY for estimation purposes.

Refer to each supplier's web site for current price quotes.

#### GuitarAmplifierPCBs

| Part #        | Quantity | Datasheet | Component Type | Description       | Manufacturer | Price (Each) | Price (Total)  |
|---------------|----------|-----------|----------------|-------------------|--------------|--------------|----------------|
| SuperLite PCB | 1        |           | Circuit Board  | 18 Watt SuperLite |              | \$30.00      | \$30.00        |
|               |          |           |                |                   |              |              | <b>\$30.00</b> |

#### Musical Power Supplies

| Part # | Quantity | Datasheet | Component Type     | Description          | Manufacturer | Price (Each) | Price (Total)  |
|--------|----------|-----------|--------------------|----------------------|--------------|--------------|----------------|
| OT15PP | 1        |           | Output Transformer | 18 Watt Push-Pull OT | MPS          | \$24.95      | \$24.95        |
|        |          |           |                    |                      |              |              | <b>\$24.95</b> |

#### Mouser

| Part #                      | Quantity | Datasheet                            | Component Type               | Description          | Manufacturer       | Price (Each) | Price (Total)  |
|-----------------------------|----------|--------------------------------------|------------------------------|----------------------|--------------------|--------------|----------------|
| C1, C2                      | 2        | <a href="#">647-JVZZW330MHD</a>      | Capacitor - Electrolytic     | 33 µF 450V - Radial  | Nichicon           | \$1.76       | \$3.52         |
| C3, C4                      | 2        | <a href="#">647-JVZZW220MHD</a>      | Capacitor - Electrolytic     | 22 µF 450V - Radial  | Nichicon           | \$1.23       | \$2.46         |
| C15                         | 1        | <a href="#">140-TG471M1H-1322-RC</a> | Capacitor - Electrolytic     | 470 µF 50V - Axial   | Xicon              | \$1.05       | \$1.05         |
| R25                         | 1        | <a href="#">286-130-RC</a>           | Resistor - Metal Oxide       | 130 Ω 5W             | Xicon              | \$0.49       | \$0.49         |
| R2                          | 1        | <a href="#">660-MO2C222J</a>         | Resistor - Metal Oxide       | 2.2 KΩ 2W            | KOA Speer          | \$0.14       | \$0.14         |
| R3                          | 1        | <a href="#">660-MO2CT631R822J</a>    | Resistor - Metal Oxide       | 8.2 KΩ 2W            | KOA Speer          | \$0.15       | \$0.15         |
| R24                         | 1        | <a href="#">660-MO2CT631R102J</a>    | Resistor - Metal Oxide       | 1 KΩ 2W              | KOA Speer          | \$0.14       | \$0.14         |
| R1                          | 1        | <a href="#">261-220K-RC</a>          | Resistor - Metal Oxide       | 220 KΩ 1W            | Xicon              | \$0.13       | \$0.13         |
| R7                          | 1        | <a href="#">294-1.5K-RC</a>          | Resistor - Carbon Film       | 1.5 KΩ 1W            | Xicon              | \$0.18       | \$0.18         |
| R4                          | 1        | <a href="#">294-27K-RC</a>           | Resistor - Carbon Film       | 27 KΩ 1W             | Xicon              | \$0.18       | \$0.18         |
| R8, R12, R18, R19           | 4        | <a href="#">294-100K-RC</a>          | Resistor - Carbon Film       | 100 KΩ 1W            | Xicon              | \$0.18       | \$0.72         |
| R13                         | 1        | <a href="#">294-56K-RC</a>           | Resistor - Carbon Film       | 56 KΩ 1W             | Xicon              | \$0.18       | \$0.18         |
| R9, R10, R15, R16, R18, R19 | 6        | <a href="#">294-470K-RC</a>          | Resistor - Carbon Film       | 470 KΩ 1W            | Xicon              | \$0.18       | \$1.08         |
| R22, R23                    | 2        | <a href="#">294-8.2K-RC</a>          | Resistor - Carbon Film       | 8.2 KΩ 1W            | Xicon              | \$0.18       | \$0.36         |
| R14                         | 1        | <a href="#">294-47K-RC</a>           | Resistor - Carbon Film       | 47 KΩ 1W             | Xicon              | \$0.18       | \$0.18         |
| R17                         | 2        | <a href="#">294-820-RC</a>           | Resistor - Carbon Film       | 820 Ω 1W             | Xicon              | \$0.18       | \$0.36         |
| R5                          | 1        | <a href="#">294-1M-RC</a>            | Resistor - Carbon Film       | 1 MΩ 1W              | Xicon              | \$0.18       | \$0.18         |
| R6                          | 1        | <a href="#">294-10K-RC</a>           | Resistor - Carbon Film       | 10 KΩ 1W             | Xicon              | \$0.18       | \$0.18         |
|                             | 2        | <a href="#">660-MF1/2CC1000F</a>     | Resistor - Metal Film        | 100 Ω ½W             | KOA Speer          | \$0.18       | \$0.36         |
|                             | 2        | <a href="#">71-CP5-J-Q-2</a>         | Resistor - Wire Wound        | 0.2 Ω 5W             | Vishay / Dale      | \$0.49       | \$0.98         |
|                             | 4        | <a href="#">625-UF5408-E3</a>        | Rectifier Diode              | Fast/Soft Recov. 1A  | Vishay             | \$0.44       | \$1.76         |
|                             | 6        | <a href="#">855-R30-1011002</a>      | PCB Standoff                 | 10 mm - Hex          | Harwin             | \$0.43       | \$2.58         |
|                             | 100      | <a href="#">48SM003</a>              | Steel Screw - Pan / Phillips | 3 mm X 6 mm          | Eagle Plastic Dev. | \$0.01       | \$1.20         |
| VR1                         | 1        | <a href="#">31VJ601-F</a>            | Potentiometer                | 1 MΩ Audio           | Alpha              | \$1.40       | \$1.40         |
| VR2, VR4                    | 2        | <a href="#">31VJ505-F</a>            | Potentiometer                | 500 KΩ Audio         | Alpha              | \$1.40       | \$2.80         |
| VR3                         | 1        | <a href="#">31VA503-F</a>            | Potentiometer                | 250 KΩ Linear        | Alpha              | \$1.40       | \$1.40         |
| VR5                         | 1        | <a href="#">31VA403-F</a>            | Potentiometer                | 25 KΩ Linear         | Alpha              | \$1.40       | \$1.40         |
|                             | 4        | <a href="#">693-0034.3120</a>        | Terminal Lug                 | 5 . 20mm Fuse        | Schurter           | \$0.27       | \$1.08         |
|                             | 4        | <a href="#">534-7316</a>             | Terminal Lug                 | Grounding Solder Tab | Keystone           | \$0.18       | \$0.72         |
|                             | 2        | <a href="#">158-1005</a>             | Terminal Strip               | 5 lugs               | Kobiconn           | \$0.96       | \$1.92         |
|                             | 9        | <a href="#">517-2251</a>             | Spade Terminal               | Female               | Keystone           | \$0.15       | \$1.35         |
|                             | 9        | <a href="#">534-1287-ST</a>          | Spade Terminal               | Male                 | Keystone           | \$0.11       | \$0.99         |
|                             |          |                                      |                              |                      |                    |              | <b>\$31.62</b> |

#### Antique Electronic Supply

| Part #                      | Quantity | Datasheet                   | Component Type          | Description         | Manufacturer | Price (Each) | Price (Total)  |
|-----------------------------|----------|-----------------------------|-------------------------|---------------------|--------------|--------------|----------------|
| C8                          | 1        | <a href="#">C-SM250</a>     | Capacitor - Silver Mica | 250 pF 500V         |              | \$0.50       | \$0.50         |
| C12                         | 1        | <a href="#">C-MD1-630</a>   | Capacitor - 150's       | 0.1 µF 630V         | Mallory      | \$1.03       | \$1.03         |
| C6, C9, C10                 | 3        | <a href="#">C-MD022-630</a> | Capacitor - 150's       | 0.022 µF 630V       | Mallory      | \$0.74       | \$2.22         |
| C11, C13, C14               | 4        | <a href="#">C-MD01-630</a>  | Capacitor - 150's       | 0.01 µF 630V        | Mallory      | \$0.66       | \$2.64         |
| R-R150                      | 1        |                             | Resistor - Wire Wound   | 150 Ω 10W           |              | \$0.95       | \$0.95         |
| P-KM100                     | 1        |                             | Knobs (pack of 8)       | Authentic Marshall  |              | \$13.95      | \$13.95        |
| <a href="#">P-ST9-620</a>   | 4        | <a href="#">Data Sheet</a>  | PC Mount Tube Socket    | 9-Pin Standoff      | Belton       | \$2.48       | \$9.92         |
| <a href="#">P-SS9-400</a>   | 2        |                             | 9-Pin Tube Shield       | Aluminum            | Belton       | \$2.25       | \$4.50         |
| <a href="#">S-H144</a>      | 2        |                             | Tube Retainer           | EL84 Tubes          |              | \$1.75       | \$3.50         |
| P-T166N6                    | 1        |                             | Filament Transformer    | 6.3Vac-CT           | Hammond      | \$13.30      | \$13.30        |
| <a href="#">T-12AX7-SJJ</a> | 2        |                             | Pre-Amplifier Tube      | 12AX7 S JJ          | JJ Tesla     | \$9.50       | \$19.00        |
| <a href="#">T-EL84-JJ</a>   | 1        |                             | Power Tube              | EL84 (Matched Pair) | JJ Tesla     | \$21.50      | \$21.50        |
|                             |          |                             |                         |                     |              |              | <b>\$93.01</b> |

**Total \$179.58**