

# Common Small Signal Tubes

## 12AX7/ECC83

### Amperex

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>        | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|--------------------|---------------------|-----------------|----------------|---|
| 12AX7/ECC83 | Amperex             | 1970's             | Moving-Coil         | 4               | \$94.00+       | With orange World-Map branding, still using the same classic tooling & machinery but it's running faster now and the tube sounds a bit faster and hotter.         |
| 12AX7/ECC83 | Amperex             | 1970's             | Moving-Magnet       | 8               | \$84.00+       |   |
| 12AX7/ECC83 | Amperex             | 1970's             | Line                | 14              | \$74.00+       |   |
| 12AX7/ECC83 | Amperex             | 1960's             | Moving-Coil         | 5               | \$140.00+      | Type 2 (The Classic "Bugle Boy" of the 1960's). Very nice, a bit lighter with a touch more sparkle and liquidity than the Telefunken, but still completely sweet! |
| 12AX7/ECC83 | Amperex             | 1960's             | Moving-Magnet       | 8               | \$120.00+      |   |
| 12AX7/ECC83 | Amperex             | 1960's             | Super-Line          | 21              | \$118.00+      |   |
| 12AX7/ECC83 | Amperex             | 1960's             | Line                | 10              | \$88.00+       |   |
| 12AX7/ECC83 | Amperex             | Late 1940's & 50's | Moving Coil         | 2               | \$198.00+      | Type 1 (Long Plate) 1950's "Bugle-boys". These came in several styles. The most liquid, sweetest, and rarest of the 12AX7 in the Amperex family.                  |
| 12AX7/ECC83 | Amperex             | Late 1940's & 50's | Moving-Magnet       | 4               | \$168.00+      |   |
| 12AX7/ECC83 | Amperex             | Late 1940's & 50's | Super-Line          | 4               | \$148.00       |   |
| 12AX7/ECC83 | Amperex             | Late 1940's & 50's | Line                | 6               | \$118.00       |   |

### Mullard

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|---|
| 12AX7/ECC83 | Mullard             | 1960's      | Moving-Coil         | 7               | \$150.00+      | Type 2 (Short Plate) The same magical, warm but detailed sound as it's older sister with a touch more neutrality. Don't be fooled by those "other guys" with their late production 1970+1980's yuck-yuck. |
| 12AX7/ECC83 | Mullard             | 1960's      | Moving-Magnet       | 6               | \$130.00+      |   |
| 12AX7/ECC83 | Mullard             | 1960's      | Super-Line          | 18              | \$108.00+      |   |
| 12AX7/ECC83 | Mullard             | 1960's      | Line                | 9               | \$88.00+       |   |
| 12AX7/ECC83 | Mullard             | 1950's      | Moving-Coil         | 4               | \$218.00       | Type 1 (Long Plate) 1950's version. The warmest, most liquid but still detailed 12AX7 ever made.  |
| 12AX7/ECC83 | Mullard             | 1950's      | Moving-Magnet       | 9               | \$188.00       |   |
| 12AX7/ECC83 | Mullard             | 1950's      | Super-Line          | 12              | \$148.00       |   |
| 12AX7/ECC83 | Mullard             | 1950's      | Line                | 11              | \$118.00       |   |

### Telefunken

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>                           |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|---|
| 12AX7/ECC83 | Telefunken          | 1950's - 1960's | Moving-Coil         | 6               | \$188.00+      | The most famous and well known vintage 12AX7, |

|             |            |                 |               |    |           |   |
|-------------|------------|-----------------|---------------|----|-----------|---|
| 12AX7/ECC83 | Telefunken | 1950's - 1960's | Moving-Magnet | 18 | \$158.00+ | and the all time benchmark of tonal neutrality and balance. Sweet and rich, while at the same time a bit dryer and delivering as much detail and air as any 12AX7 ever made. Both ribbed & smooth plate |
| 12AX7/ECC83 | Telefunken | 1950's - 1960's | Super-Line    | 31 | \$138.00+ |   |
| 12AX7/ECC83 | Telefunken | 1950's - 1960's | Line          | 54 | \$88.00+  |   |



| <u>Type</u>               | <u>Manufacturer</u>      | <u>Date</u>  | <u>Microphonics</u>                                | <u>Quantity</u>    | <u>\$ Each</u>                               | <u>Descriptions</u>   |
|---------------------------|--------------------------|--|--|--------------------|--|---|
| 12AX7/ECC83               | RCA                      | 1970's   | Moving-Coil  | 8                  | \$118.00                                     | Only 6 years of production in the 70's and solid until the end.   |
| 12AX7/ECC83               | RCA                      | 1970's   | Moving-Magnet                                      | 16                 | \$86.00                                      |   |
| 12AX7/ECC83               | RCA                      | 1970's   | Super-line   | 19                 | \$76.00                                      |   |
| 12AX7/ECC83               | RCA                      | 1970's   | Line   | 24                 | \$66.00                                      |   |
| 12AX7/ECC83               | RCA                      | 1960's   | Moving-Coil  | 8                  | \$128.00                                     | Shorter gray plates are used now but the sound is still the same, GREAT! We all know the music of the 60's. These baby's made a large amount of it, chugging away in FENDER Twins, HAMMONDS and Hi-Fi's, the heller of it is many are STILL GOING!  |
| 12AX7/ECC83               | RCA                      | 1960's   | Moving-Magnet                                      | 26                 | \$98.00                                      |   |
| 12AX7/ECC83               | RCA                      | 1960's   | Super-Line   | 32                 | \$84.00                                      |   |
| 12AX7/ECC83               | RCA                      | 1960's   | Line   | 15                 | \$64.00                                      |   |
| 12AX7/ECC83               | RCA                      | 1946 to mid 1950's                                       | Moving-Magnet                                      | 2                  | \$146.00                                     | The first tooling for this tube. Excellent, rich & accurate sound from the heart of the Golden Age of Hi-Fi. This tube like the 60s version above is particularly great in A/D converters because they provide liquidity and sweetness AND AT THE SAME TIME MORE INFORMATION & DETAILS. = MUSIC!                |
| 12AX7/ECC83               | RCA                      | 1946 to mid 1950's                                       | Super-Line   | 6                  | \$134.00                                     |   |
| 12AX7/ECC83               | RCA                      | 1946 to mid 1950's                                       | Line   | 14                 | \$108.00                                     |   |
| 7025/<br>Premium<br>12AX7 | RCA<br>RCA<br>RCA<br>RCA | 1950 - 1960<br>1950 - 1960<br>1950 - 1960<br>1950 - 1960 | Moving-Coil<br>Moving-Magnet<br>Super-Line<br>Line | 5<br>12<br>8<br>11 | \$148.00<br>\$128.00<br>\$84.00+<br>\$74.00+ | Another one of the very few tubes actually conceived and developed for Hi-Fi use. This is a 12AX7 with a helical heater roughly selected for low hum and noise at the factory. (See note on creep's below)  |
| 5751 Triple Mica          | RCA                      | 1950's   | Moving-Coil  | 2                  | \$126.00                                     | First version with third mica on top to act as a splash guard during getter activation.   |
| 5751 Triple Mica          | RCA                      | 1950's   | Super-Line   | 5                  | \$88.00                                      |   |
| 5751 Triple Mica          | RCA                      | 1950's   | Line   | 4                  | \$72.00                                      |   |
| 5751/5751WA               | RCA                      | 1950 - 1960  | Moving-Coil  | 9                  | \$96.00+                                     | A high reliability, ruggedized type having slightly lower gain than a 12AX7. And baby, when RCA said PREMIUM it meant the real thing, a multi-million dollar research lab and 50 years of experience! The way today's sales creeps put "Selected", "Signature" and "Platinum" on every piece of junk that comes |
| 5751/5751WA               | RCA                      | 1950 - 1960  | Moving-Magnet                                      | 4                  | \$82.00+                                     |   |
| 5751/5751WA               | RCA                      | 1950 - 1960  | Super-Line   | 16                 | \$72.00+                                     |   |
| 5751/5751WA               | RCA                      | 1950 - 1960  | Line   | 2                  | \$62.00+                                     |   |

down the pike makes me sick!!!

# TUNG-SOL

*vibration = tested*

## ELECTRON TUBES

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|--|
| 12AX7       | Tung-Sol            | 1950 - 1960 | Moving-Coil         | 3               | \$118.00       | Very good, solid and long-lasting tubes. A strong, clear and concise sounding tube favored by many. Clean like the Telefunken. |
| 12AX7       | Tung-Sol            | 1950 - 1960 | Moving-Magnet       | 12              | \$78.00        |  |
| 12AX7       | Tung-Sol            | 1950 - 1960 | Super-Line          | 16              | \$64.00        |  |

# Matsushita

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|--|
| 12AX7/ECC83 | Matsushita          | 1960-1970's | Moving-Coil         | 2               | \$78.00        | A very good 12AX7 made in Japan during the 60's and 70's. These units are extremely well made and have a warm, sweet tonal balance. Far, far better than anything being made in the last 35 years. |
| 12AX7/ECC83 | Matsushita          | 1960-1970's | Moving-Magnet       | 5               | \$66.00        |  |
| 12AX7/ECC83 | Matsushita          | 1960-1970's | Super-Line          | 4               | \$54.00        |  |
| 12AX7/ECC83 | Matsushita          | 1960-1970's | Line                | 6               | \$38.00        |  |

# Yugo/EI

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|---|
| 12AX7       | Yugo/EI             | 1970 - 1980 | Moving-Coil         | 4               | \$58.00        | Made on the orig. Telefunken machinery, the ONLY late production mini tube that has ANYTHING to do with the original tooling, machinery, etc. of any company. Contrary to the poop that is spread in the press. ("Made with original. tooling, consulting with original employees," blab blab blab). These are the Pre-War 1970's production not 80's & 90's current junk with the missing fourth port. |
| 12AX7       | Yugo/EI             | 1970 - 1980 | Moving-Magnet       | 8               | \$48.00        |   |
| 12AX7       | Yugo/EI             | 1970 - 1980 | Super-Line          | 11              | \$38.00        |   |
| 12AX7       | Yugo/EI             | 1970 - 1980 | Line                | 6               | \$28.00        |   |

# Brimar & RFT & Fivre

| <u>Type</u> | <u>Manufacturer</u>  | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|----------------------|-----------------|---------------------|-----------------|----------------|---|
| 12AX7       | Brimar & RFT & Fivre | 1950's - 1970's | All Available       | 9               | \$26.00        | Serviceable but definitely not legendary tubes being pushed as the GREATS by several of my oh, so sloppy imitators, mainly because anyone who can |

pick up a phone can call England and buy 5000 of them at a time. If they were truly great they would have gone to Japan and other serious Hi-Fi hot spots long, long ago.

## 12AU7/ECC82

### Amperex

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|---|
| 12AU7/ECC82 | Amperex             | 1968 - 1978 | Moving-Coil         | 9               | \$98.00        | Orange globe logo. Made in the same factory, on the same machines in Holland, as above, but ten years later. Still the same fine tube. A bit faster sounding.                             |
| 12AU7/ECC82 | Amperex             | 1968 - 1978 | Moving-Magnet       | 6               | \$88.00        |   |
| 12AU7/ECC82 | Amperex             | 1968 - 1978 | Super-Line          | 10              | \$68.00        |   |
| 12AU7/ECC82 | Amperex             | 1958 - 1968 | Moving-Coil         | 12              | \$154.00       | Type 2. The classic "Bugle-Boy" from the 1960's. Light and airy extended top, yet full bodied and rich at the same time!  |
| 12AU7/ECC82 | Amperex             | 1958 - 1968 | Moving-Magnet       | 12              | \$138.00       |   |
| 12AU7/ECC82 | Amperex             | 1958 - 1968 | Super-Line          | 14              | \$118.00       |   |
| 12AU7/ECC82 | Amperex             | 1958 - 1968 | Line                | 5               | \$88.00        |   |
| 12AU7/ECC82 | Amperex             | 1950's      | Super-Line          | 5               | Call           | Type 1, the first couple of toolings for this tube. As usual with tubes the rare, early version is a bit more liquid than the 60's Bugle boys. The best in the Jadis, CAT,C-J and others. |
| 12AU7/ECC82 | Amperex             | 1950's      | Line                | 6               | Call           |   |
| 7316/12AU7  | Amperex             | 1950 - 1970 | Moving-Coil         | 4               | \$168.00+      | Special-duty-flip-flop, 12AU7, (computer) / counter tube included in the "PREMIUM" QUALITY line introduced for industry. A favorite of early CAT owners.                                  |
| Premium     | Amperex             | 1950 - 1970 | Moving-Magnet       | 7               | \$148.00+      |   |
| 7316/12AU7  | Amperex             | 1950 - 1970 | Super-Line          | 1               | \$128.00       |   |
| Premium     | Amperex             | 1950 - 1970 | Line                | 6               | \$108.00       |   |

### Mullard

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|--|
| 12AU7/ECC82 | Mullard             | 1960's      | Moving-Coil         | 5               | \$138.00+      | Be it in a Hammond Organ amp or a Vox guitar head these ARE the sound of the 60's & 70's. Accurate, detailed and warm. |
| 12AU7/ECC82 | Mullard             | 1960's      | Moving-mag.         | 9               | \$122.00       |  |
| 12AU7/ECC82 | Mullard             | 1960's      | Super-Line          | 12              | \$108.00       |  |
| 12AU7/ECC82 | Mullard             | 1950's      | Moving-Magnet       | 3               | Call           | See 1950's Mullard 12AX7 for sonic description.  |
| 12AU7/ECC82 | Mullard             | 1950's      | Super-Line          | 6               | Call           |  |

# Telefunken

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>   | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|---------------|---------------------|-----------------|----------------|---|
| 12AU7/ECC82 | Telefunken          | 1950 - 1960's | Moving-Mag          | 6               | \$130.00+      | The classic Tele 12AU7, as with the 12AX7 this is one of, if not the most tonally neutral and detailed 12AU7's that ever has and will ever be made. Smooth and ribbed plates. |
| 12AU7/ECC82 | Telefunken          | 1950 - 1960's | Super-Line          | 16              | \$108.00+      |   |
| 12AU7/ECC82 | Telefunken          | 1950 - 1960's | Line                | 28              | \$98.00+       |   |



| <u>Type</u>                          | <u>Manufacturer</u> | <u>Date</u>           | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u>           | <u>Descriptions</u>  |
|--------------------------------------|---------------------|-----------------------|---------------------|-----------------|--------------------------|--|
| 12AU7/ECC82                          | RCA                 | 1960's                | Moving-Coil         | 8               | \$78.00                  | Type 2, the classic "Cleartop" side-getter units. Classic RCA balance & creamy sound in a 12AU7. Because of its important job as a vertical & horizontal and oscillator in Televisions (RCA WAS TV for the first 20 years.) This tube was on the microscopic inspection program during the 50's & 60's. The best 12AU7 ever made in the USA. NOTE: I have not raised the price of this tube in 20 years, while others have raised it 20 times!   |
| 12AU7/ECC82                          | RCA                 | 1960's                | Moving-Mag          | 23              | \$64.00                  |  |
| 12AU7/ECC82                          | RCA                 | 1960's                | Super-Line          | 29              | \$48.00                  |  |
| 12AU7/ECC82                          | RCA                 | 1960's                | Line                | 38              | \$38.00                  |  |
| 12AU7/ECC82                          | RCA                 | L. 1940's - E. 1950's | Moving-Magnet       | 5               | \$76.00                  | Type 1, The classic black plate 12AU7, another RCA original! Developed by RCA in the late 40's this is the original Tooling. I think all RCA minis are underrated. A very good sounding tube with a tonal balance between a Tele and a Mullard. (White logos on tube)  |
| 12AU7/ECC82                          | RCA                 | L. 1940's - E. 1950's | Super-Line          | 12              | \$66.00                  |  |
| 12AU7/ECC82                          | RCA                 | L. 1940's - E. 1950's | Line                | 18              | \$56.00                  |  |
| 5814 &<br>6189<br>W, WA<br>& COMMAND | RCA                 | 1950's - 1960's       | All available       | 76              | \$40.00's &<br>\$60.00's | Top of the line industrial & military, ruggedized, premium 12AU7. No miniature tubes will ever be made again that are even 1/4 this good. This line was a complete re-engineering of the 12AU7 tube. (Same as 5751 was to 12AX7) Developed for critical military & industrial applications these are true beauties! There were several tiers of ruggedness and statistical sampling, ect... culminating in the "COMMAND" series. "COMMAND" was the highest level of ruggedness & reliability reserved for armed forces and mobile use. |
| 6680/12AU7                           | RCA                 | 1950's - 1960's       | All available       | 16              | \$40's+                  | Premium version adapted for mobile communication use. Has loosened heater voltage requirements. I.E.   |

Heaters are adjusted for consistent performance with widely varying heater voltages encountered in mobile communications use.

# TUNG-SOL

*vibration = tested*

## ELECTRON TUBES

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>                        |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|--|
| 12AU7       | Tung-Sol            | 1950's - 1960's | Moving-Coil         | 8               | \$64.00        | Nice clean bold & clear sound.             |
| 12AU7       | Tung-Sol            | 1950's - 1960's | Moving-Magnet       | 24              | \$54.00        | Smooth & well balanced from top to         |
| 12AU7       | Tung-Sol            | 1950's - 1960's | Super-Line          | 18              | \$42.00        | bottom. Gray plates.                       |
| 12AU7       | Tung-Sol            | 1950's - 1960's | Line                | 44              | \$36.00        |  |
| 12AU7       | Tung-Sol            | 1945 - 1950     | Moving-Coil         | 4               | \$158.00       | The very rare carbonized bulb              |
| 12AU7       | Tung-Sol            | 1945 - 1950     | Moving-Magnet       | 6               | \$108.00       | units. (Black glass). First version!       |
| 12AU7       | Tung-Sol            | 1945 - 1950     | Super-Line          | 9               | \$88.00        | These have a great tactile immediacy & are |
| 12AU7       | Tung-Sol            | 1945 - 1950     | Line                | 9               | \$68.00        | super clean & real sounding.               |

## Matsushita

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>                                 |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|---|
| 12AU7       | Matsushita          | 1960's      | Moving-Coil         | 14              | \$88.00        | A very good 12AU7 made in Japan during the 60's and |
| 12AU7       | Matsushita          | 1960's      | Moving-Magnet       | 10              | \$68.00        | 70's. These units are extremely well made and have  |
| 12AU7       | Matsushita          | 1960's      | Super-Line          | 16              | \$48.00        | a warm, sweet tonal balance. Far, far better than   |
| 12AU7       | Matsushita          | 1960's      | Line                | 8               | \$28.00        | anything being made in the last 35 years.           |

## 12AT7/ECC81

### Amperex

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>                                |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|--|
| 12AT7/ECC81 | Amperex             | 1950's - 1970's | Moving-Coil         | 1               | \$148.00       | The classic Amperex 12AT7 that has the same        |
| 12AT7/ECC81 | Amperex             | 1950's - 1970's | Moving-Magnet       | 7               | \$118.00+      | personality as the whole 12 series, extended and   |
| 12AT7/ECC81 | Amperex             | 1950's - 1970's | Super-Line          | 21              | \$98.00+       | sweet at the top, full and rich across the rest of |
| 12AT7/ECC81 | Amperex             | 1950's - 1970's | Line                | 14              | \$78.00+       | the spectrum.                                      |
| 6201/E81CC  | Amperex             | 1960's          | Call                | Call            | Call           | European version of the 6201 ruggedized, and gold  |

pinned, these were also part of the "Special Quality" 10,000 hour high reliability series of tubes. Very Nice!

## Mullard

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|--|
| 12AT7/ECC81 | Mullard             | 1950's - 1960's | Moving-Coil         | 3               | \$148.00       | Classic three port type that did not change for about 28 years. One of the best, lowest distortion, sweetest, 12AT7's ever made. I have sweetened many a CD based system to perfection with these. |
| 12AT7/ECC81 | Mullard             | 1950's - 1960's | Moving-Magnet       | 7               | \$128.00       |  |
| 12AT7/ECC81 | Mullard             | 1950's - 1960's | Super-Line          | 12              | \$88.00        |  |
| 12AT7/ECC81 | Mullard             | 1950's - 1960's | Line                | 18              | \$66.00+       |  |

## Telefunken

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|---|
| 12AT7/ECC81 | Telefunken          | 1950's - 1960's | Moving-Coil         | 5               | \$166.00+      | The famous German 12AT7 that is so full and rich and detailed at the same time tonally neutral. |
| 12AT7/ECC81 | Telefunken          | 1950's - 1960's | Moving-Magnet       | 14              | \$136.00+      |   |
| 12AT7/ECC81 | Telefunken          | 1950's - 1960's | Super-Line          | 12              | \$94.00        |   |
| 12AT7/ECC81 | Telefunken          | 1950's - 1960's | Line                | 8               | \$84.00        |   |

## Siemens

| <u>Type</u>   | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|---------------|---------------------|-----------------|---------------------|-----------------|----------------|--|
| 12AT7/ECC81   | Siemens             | 1950's - 1960's | Moving-Coil         | 2               | \$118.00+      | Very close to both Amperex and Telefunken in sound, neutral, sweet and SUPER detailed with a top end that goes on and on and on! |
| 12AT7/ECC81   | Siemens             | 1950's - 1960's | Moving-Magnet       | 4               | \$108.00+      |  |
| 12AT7/ECC81   | Siemens             | 1950's - 1960's | Super-Line          | 7               | \$98.00        |  |
| 12AT7WA/E81CC | Siemens             | 1960s           | Call                | Call            | Call           | Several nice units in stock at any one time.   |



| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|---|
| 12AT7/ECC81 | RCA                 | 1960's - 1970's | Moving-Mag          | 6               | \$78.00        | More of the same great sound, two different plate types; wing & box. Plate changed from black to gray in 1958. These tubes are a great bargain at their prices. Very soon all of these will be truly expensive and collectable as it becomes more apparent that |
| 12AT7/ECC81 | RCA                 | 1960's - 1970's | Super-Line          | 15              | \$64.00+       |   |
| 12AT7/ECC81 | RCA                 | 1960's - 1970's | Line                | 40              | \$44.00+       |   |
|             |                     |                 | Moving-Coil         |                 | \$108.00       |   |

|             |     |                 |            |    |          |   |
|-------------|-----|-----------------|------------|----|----------|---|
|             |     |                 |            |    |          | nothing like them will ever be made again.            |
| 12AT7/ECC81 | RCA | 1940's - 1950's | Moving-Mag | 6  | \$88.00+ | The original 12AT7 and best ever made in America.     |
| 12AT7/ECC81 | RCA | 1940's - 1950's | Super-Line | 15 | \$72.00+ | Original tooling with wing type plates. Has that true |
| 12AT7/ECC81 | RCA | 1940's - 1950's | Line       | 12 | \$54.00+ | blue, top to bottom balance that all RCA tubes have.  |

## TUNG-SOL

*vibration = tested*

### ELECTRON TUBES

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>                |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|------------------------------------|
| 12AT7       | Tung-Sol            | 1960        | Moving-Coil         | 5               |                | Nice clean bold & clear sound.     |
| 12AT7       | Tung-Sol            | 1960        | Moving-Magnet       | 8               |                | Smooth & well balanced from top to |
| 12AT7       | Tung-Sol            | 1960        | Super-Line          | 13              |                | bottom.                            |
| 12AT7       | Tung-Sol            | 1960        | Line                | 28              |                |                                    |
| 12AT7       | Tung-Sol            | 1945 - 1950 | Moving-Coil         | 1               |                | Black plates                       |
| 12AT7       | Tung-Sol            | 1945 - 1950 | Moving-Magnet       | 5               |                |                                    |
| 12AT7       | Tung-Sol            | 1945 - 1950 | Super-Line          | 8               |                |                                    |
| 12AT7       | Tung-Sol            | 1945 - 1950 | Line                | 14              |                |                                    |

## Sylvania

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>                |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|------------------------------------|
| 12AT7       | Sylvania            | 1950's - 1960's | Call                | 24              | Call           | Both gold pinned & non-gold pinned |

## Brimar

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u> |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|---------------------|
| 12AT7       | Brimar              | 1950's - 1960's | Call                | 16              | Call           | Nice British units  |

## 6DJ8/ECC88

### Amperex

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>                                     |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|---|
| 6DJ8/ECC88  | Amperex             | Mid 1970's  | Moving-Magnet       | 2               | \$136.00       | One of the few tubes still made well into the 70's with |
| 6DJ8/ECC88  | Amperex             | Mid 1970's  | Super-Line          | 8               | \$118.00       | really good quality! Most of these used "A" shaped      |



|            |         |                    |               |      |           |   |
|------------|---------|--------------------|---------------|------|-----------|---|
| 6DJ8/ECC88 | Amperex | Mid 1970's         | Line          | 12   | \$92.00   | getter support.   |
| 6DJ8/ECC88 | Amperex | 1968 - 1970's      | Moving-Coil   | 2    | \$148.00  | A frame, the second tooling of this tube, made on higher speed, second generation machinery. There are three types of these. All are very nice full bodied, well balanced, low noise tubes whose hallmark is top to bottom balance. A favorite for many in the moving coil stage of Jadis JP-80 MC, and others. |
| 6DJ8/ECC88 | Amperex | 1968 - 1970's      | Moving-Magnet | 6    | \$138.00  |   |
| 6DJ8/ECC88 | Amperex | 1968 - 1970's      | Super-Line    | 9    | \$108.00  |   |
| 6DJ8/ECC88 | Amperex | 1968 - 1970's      | Line          | 12   | \$82.00   |   |
| 6DJ8/ECC88 | Amperex | 1964-1968 O Getter | Moving-Coil   | 3    | \$178.00  |   |
| 6DJ8/ECC88 | Amperex | 1964-1968 O Getter | Moving-Magnet | 6    | \$156.00  | Type 2, Still the same great tube. Some tooling changes. "Bugle Boys".  |
| 6DJ8/ECC88 | Amperex | 1964-1968 O Getter | Super-Line    | 8    | \$136.00  |   |
| 6DJ8/ECC88 | Amperex | 1964-1968 O Getter | Line          | 14   | \$88.00   |   |
| 6DJ8/ECC88 | Amperex | 1958-1962 D Getter | Moving-Coil   | Call | \$158.00+ |   |
| 6DJ8/ECC88 | Amperex | 1958-1962 D Getter | Moving-mag.   | Call | \$138.00+ | The original 6DJ8 developed by Amperex in 1958. First used for Hi-Fi, in Tuners such as the Fisher FM-1000 and as the input tube for the Marantz model 9 power amp. The sweetest, most liquid & accurate 6DJ8 ever made. Like the best tubes, these seem to be able to sort out the noise from the music.       |
| 6DJ8/ECC88 | Amperex | 1958-1962 D Getter | Super-Line    | Call | \$108.00+ |   |
| 6DJ8/ECC88 | Amperex | 1958-1962 D Getter | Line          | Call | \$88.00+  |   |

## Mullard

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|---|
| 6DJ8/ECC88  | Mullard             | 1970's      | Moving-Magnet       | 0               | \$118.00       | Still a great tube, cooling off a bit in tonal balance. Same beautiful sound as below still made with the same Mullard care and greatness.                                    |
| 6DJ8/ECC88  | Mullard             | Mid 1960's  | Moving-Magnet       | 2               | \$108.00       |   |
|             |                     | Mid 1970's  | Super-Line          | 4               | \$88.00        |   |
|             |                     | Mid 1970's  | Line                | 6               | \$68.00        |   |
| 6DJ8/ECC88  | Mullard             | 1960's      | Moving-Coil         | 13              | \$156.00       | As with any Mullard, this is the warmest line of 6DJ8's ever made, warm, sweet, detailed, sound with a velvety background. Only thing more liquid than the Amperex Bugle Boy. |
|             |                     |             | Moving-Magnet       | 4               | \$142.00       |   |
|             |                     |             | Super-Line          | 8               | \$128.00       |   |
|             |                     |             | Line                | 11              | \$108.00       |   |

## Siemens & Halski

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>  | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|--------------|---------------------|-----------------|----------------|--|
| 6DJ8/ECC88  | Siemens & Halski    | Early 1960's | Moving-Mag          | 5               | \$144.00       | For those who have been around this tube for 30 years or so the exceptional qualities of S & H Frame Grid tubes are well known. As with the Dutch, the Germans worked well with the .00029 inch grid wire and other requirements of this tube. The good, early |
| 6DJ8/ECC88  | Siemens & Halski    | Early 1960's | Super-Line          | 6               | \$124.00       |  |
| 6DJ8/ECC88  | Siemens & Halski    | Early 1960's | Line                | 11              | \$108.00       |  |

true S&H 6DJ8, 6922,7308, have the highest transparency of any ever made plus more liquid than the Telefunken. For many The only contact with Siemens tubes has been the 1980 - 1990's Siemens-Rohr junk that is laying around everywhere, VTS avoids these like the plague.

## Telefunken

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|
| 6DJ8/ECC88  | Telefunken          | 1960's      | Moving-Magnet       | Call            | Call           |
| 6DJ8/ECC88  | Telefunken          | 1960's      | Super-Line          | Call            | Call           |
| 6DJ8/ECC88  | Telefunken          | 1960's      | Line                | Call            | Call           |

**Descriptions**  
The other great German 6DJ8. In keeping with the rest of the Telefunken line, the 6DJ8 has the same neutral tonal balance as the 12AX7 etc. Very nice and clean. Rich and a bit dry at the same time!

## Matsushita

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|
| 6DJ8/ECC88  | Matsushita          | 1960's - 1970's | Moving-Magnet       | 16              | \$68.00        |
| 6DJ8/ECC88  | Matsushita          | 1960's - 1970's | Super-Line          | 14              | \$58.00        |
| 6DJ8/ECC88  | Matsushita          | 1960's - 1970's | Line                | 56              | \$38.00        |

**Descriptions**  
A very good 6DJ8 made in Japan during the 60's and 70's. These units are extremely well made and have a warm, sweet tonal balance. Far, far better than anything being made in the last 35 years. Made for TVs, these were part of the first wave of electronics that helped Japan take over the U.S. Consumer electronics industry in the 60's & 70's. These are second only to the four Euro greats Amprex, Siemens & Halski, Telefunken & Mullard.

## Sylvania

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|
| 6DJ8/ECC88  | Sylvania            | 1970's      | Moving-Magnet       | 4               | \$56.00        |
| 6DJ8/ECC88  | Sylvania            | 1970's      | Super-Line          | 9               | \$44.00        |
| 6DJ8/ECC88  | Sylvania            | 1970's      | Line                | 6               | \$32.00        |
| 6DJ8/ECC88  | Sylvania            | 1960's      | Moving-Magnet       | 5               | \$58.00        |
| 6DJ8/ECC88  | Sylvania            | 1960's      | Super-Line          | 11              | \$48.00        |
| 6DJ8/ECC88  | Sylvania            | 1960's      | Line                | 12              | \$38.00        |

**Descriptions**  
Same as below. As with most tubes made after about 1978, they started to sound hard and harsh.  
  
Nice clean sounding well balanced units. Good and reliable.

# E.I. of Yugoslavia

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|--|
| 6DJ8/ECC88  | E.I. of Yugoslavia  | 1970's      | Moving-Coil         | 28              | \$66.00        | Nice neutral and vivid sounding tubes.   |
| 6DJ8/ECC88  | E.I. of Yugoslavia  | 1970's      | Moving-Magnet       | 46              | \$52.00        | Great detail and a broad neutral balanced sound at a great price. Made in Hungary in the 1970's. |
| 6DJ8/ECC88  | E.I. of Yugoslavia  | 1970's      | Super-Line          | 62              | \$42.00        |  |
| 6DJ8/ECC88  | E.I. of Yugoslavia  | 1970's      | Line                | 78              | \$32.00        |  |

## 6922/E88CC

### Amperex

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>   | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|---------------|---------------------|-----------------|----------------|--|
| 6922/E88CC  | Amperex             | 1958 - 1970's | Moving-Magnet       | 3               | \$188.00+      | This is a rugged version of 6DJ8 for Industry & Military use. There were two different plants that made these tubes. One in Holland and one at 230 Duffy Avenue on Long Island, New York. There were also several different versions from each plant. I do not have the time to go into them at this time. Call for details. |
| 6922/E88CC  | Amperex             | 1958 - 1970's | Super-Line          | 6               | \$158.00+      |  |
| 6922/E88CC  | Amperex             | 1958 - 1970's | Line                | 4               | \$128.00+      |  |

### Mullard

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>  | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|--------------|---------------------|-----------------|----------------|---|
| 6922/E88CC  | Mullard (Type 3)    | 1970's       | Call                | Call            | Call           | Still a good tube but starting to slip in sweetness now. (also see notes below)   |
| 6922/E88CC  | Mullard (Type 2)    | 1965 - 1970  | Moving Mag          | 8               | \$158.00+      | Same as below. This is one of the most counterfeited tubes in the industry. Don't be fooled.  |
| 6922/E88CC  |                     | 1965 - 1970  | Super-Line          | 12              | \$138.00+      |   |
| 6922/E88CC  |                     | 1965 - 1970  | Line                | 16              | \$128.00+      |   |
| 6922/E88CC  | Mullard (Type 1)    | Early 1960's | Moving-Magnet       | 4               | \$196.00       | As usual the Mullard version of this tube is warm and smooth but still accurate! The gold plating on the pins looks like fine jewelry. (The antithesis of the currently made junk that looks like cheap plastic-gold flash in a dime store! The pins themselves are SO rough that often they look like they were hammered out by hand using ROCKS!!!) |
| 6922/E88CC  |                     | Early 1960's | Super-Line          | 7               | \$176.00       |   |
| 6922/E88CC  |                     | Early 1960's | Line                | 3               | \$150.00       |   |

# Telefunken

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|---|
| 6922/E88CC  | Telefunken of       | 1970's - 1980's | Super-Line          | 2               | \$12.00        | I got stuck with these they, came in with some other stuff. If you've paid more than this for these you need to find a new tube dealer! I know gobs of guys that have spent THOUSANDS on buying these from my imitators at around \$150.00 to \$200.00+ each! Most said they never sounded right and went noisy after a week or so. Those who called and complained were told tough luck! |
| 6922/E88CC  | EAST GERMANY        | 1970's - 1980's | Line                | 5               | \$12.00        |   |

# Siemens & Halski

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u> | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>   |
|-------------|---------------------|-------------|---------------------|-----------------|----------------|---|
| 6922/E88CC  | Siemens & Halski    | 1960's      | Moving-Coil         | 2               | \$220.00       | In keeping with tradition, the Siemens version of the 6922 is like it's 6DJ8 prototype. Super high information & all the typical attributes (see 6DJ8 Siemens). Watch out for the dreadful late 70's and 80's stuff that's pushed most of the time. |
| 6922/E88CC  | Siemens & Halski    | 1960's      | Moving-Magnet       | 5               | \$188.00+      |   |
| 6922/E88CC  | Siemens & Halski    | 1960's      | Super-Line          | 6               | \$148.00+      |   |
| 6922/E88CC  | Siemens & Halski    | 1960's      | Line                | 4               | \$96.00+       |   |

# Amperex, Mullard, Telefunken, etc.

| <u>Type</u> | <u>Manufacturer</u>                      | <u>Date</u>  | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|--|--------------|---------------------|-----------------|----------------|--|
| 7308        | Amperex<br>Mullard<br>Telefunken<br>Etc. | 1961 & Later | Call                | Call            | \$188 - \$290  | The 7308 was an attempt at further refining the 6922 and featured tighter control of all specs. Fabulous tube if you actually get good early production. While we are on this subject let me share with you a bit about testing these 6DJ8, 6922 "Frame Grid" types of tubes. For as many years as I have been testing & studying tubes, these have eluded me until the last few years. I can't go into details here but now I understand MUCH more about these. It's no wonder that most audio people and even tube dealers don't have any idea why they get such differing sonic results from tubes, even those of the same batch. |

# TUNG-SOL

*vibration = tested*

## ELECTRON TUBES

| <u>Type</u> | <u>Manufacturer</u> | <u>Date</u>     | <u>Microphonics</u> | <u>Quantity</u> | <u>\$ Each</u> | <u>Descriptions</u>  |
|-------------|---------------------|-----------------|---------------------|-----------------|----------------|--|
| 7025        | Tung-Sol            | 1950's - 1960's | Super-Line          | 7               | \$50.00+       | The same great laboratory type quality as the 6550's & good sound similar to Telefunken. |
| 5751        | Tung-Sol            | 1960's          | Super-Line          | 4               | \$56.00+       | Same as above.   |