


RAY TUBES

SELECT 6SN7
Product Media Kit

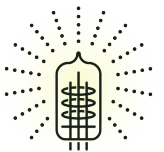


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1. The Product
 2. The Company
 3. The Numbers



SELECT 6SN7

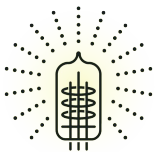
The **6SN7 vacuum tube** is a dual triode usually **found in the driver stage of power amps**. It's been used in audio since its introduction in 1939; from 1949, it was used in the famous Williamson circuit. Outside of audio applications, it was **a crucial component in ENIAC—the world's first digital computer**.



Product Highlights

The **Ray Tubes SELECT Collection** offers the best tubes you'll ever need. It goes above and beyond the baseline to bring out the best in all your favourites.

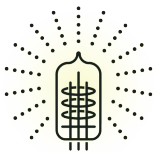
- Designed and manufactured by a team with decades of experience
- Hand-selected by engineers—only the top tubes make the cut
- Gold pins for durability and longevity
- Substantially more consistent performance than New Old Stock
- Unlike NOS and most other new production, covered by the Ray Tubes One Year Warranty




Sound Characteristics

The SELECT 6SN7 offers rich and detailed sound, **perfect for users who seek a broad dynamic range and expansive soundstage.**

- The bass is solid and deep, with good range. The low end is fuller, making it suitable for complex genres like jazz and classical music.
- The midrange frequencies are rich and warm. Both male and female vocals sound smooth and inviting, with high levels of detail.
- The treble performance is clear and transparent, offering precision without harshness.
- The dynamic range is wide with accurate reproduction of volume changes. The soundstage exhibits clear imaging and excellent separation, with a strong sense of scale ideal for larger arrangements.



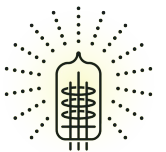
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- The background of the slide is a dark, semi-transparent image of various vacuum tubes. On the left, a tube is labeled 'SELECT EL84'. In the center, a tube is labeled 'RAY TUBES'. On the right, a larger tube is visible with multiple pins at its base.
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Our Philosophy

Tube audio has brought audiophiles together for decades, but in recent years, it's **become more difficult to access than ever**. Ray Tubes is on a mission to change that. With rigorous quality control standards backed by the Ray Tubes One Year Warranty, **Ray Tubes is making reliable, consistent vacuum tubes accessible to everyone**—audiophiles old and new, musicians, retailers and amp designers around the world, and why not, even that one guy who just thinks tubes look cool on his shelf.

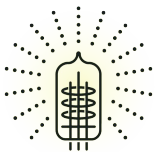
The bottom line: Ray Tubes puts in the work so you can experience the warm, vintage sound of tube audio **without the hassle**.



Our Quality Control

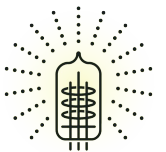
Each tube undergoes **a seven-step quality control process**, including a 24-hour burn-in period, stress tests to minimise microphonics, and critical parameters that are carefully measured to ensure consistency and accurate matching. Finally, sound engineers assess each tube **under real-world listening conditions**.

By the end of the quality control process, **only 5% of tubes commissioned for production meet Ray Tubes' standards**.



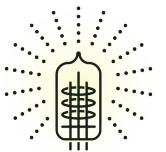
Our Warranty

Books have been written about the countless ways vacuum tubes can and do fail. With most manufacturers, and all New Old Stock, a tube failure leaves the user high and dry. Ray Tubes is different. All Ray Tubes products are backed by the **Ray Tubes One Year Warranty**, which covers manufacturing defects for twelve months from the date of purchase.



Partnership and Feedback

Ray Tubes is always looking to improve their products and expand their wonderful network of retail, brand, and studio partners. Is there a tube you'd love to see in the lineup? Are you interested in stocking Ray Tubes, collaborating on a product, or showing off Ray Tubes in your space? Or do you simply have a comment or question you'd like to share? Get in touch at **help@raytubes.com**.

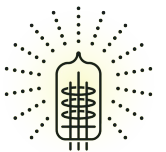


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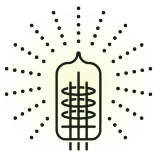
Technical Specification

- **Tube Type:** 6SN7
- **Tube Socket:** 8-pin
- **Max Anode Dissipation Power:** 5 W
- **Max Screen Dissipation Power:** N/A
- **Output Power in Class A1 Amp (Single Tube):** N/A
- **Output Power in Class AB1 Amp:** N/A

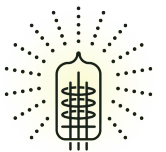
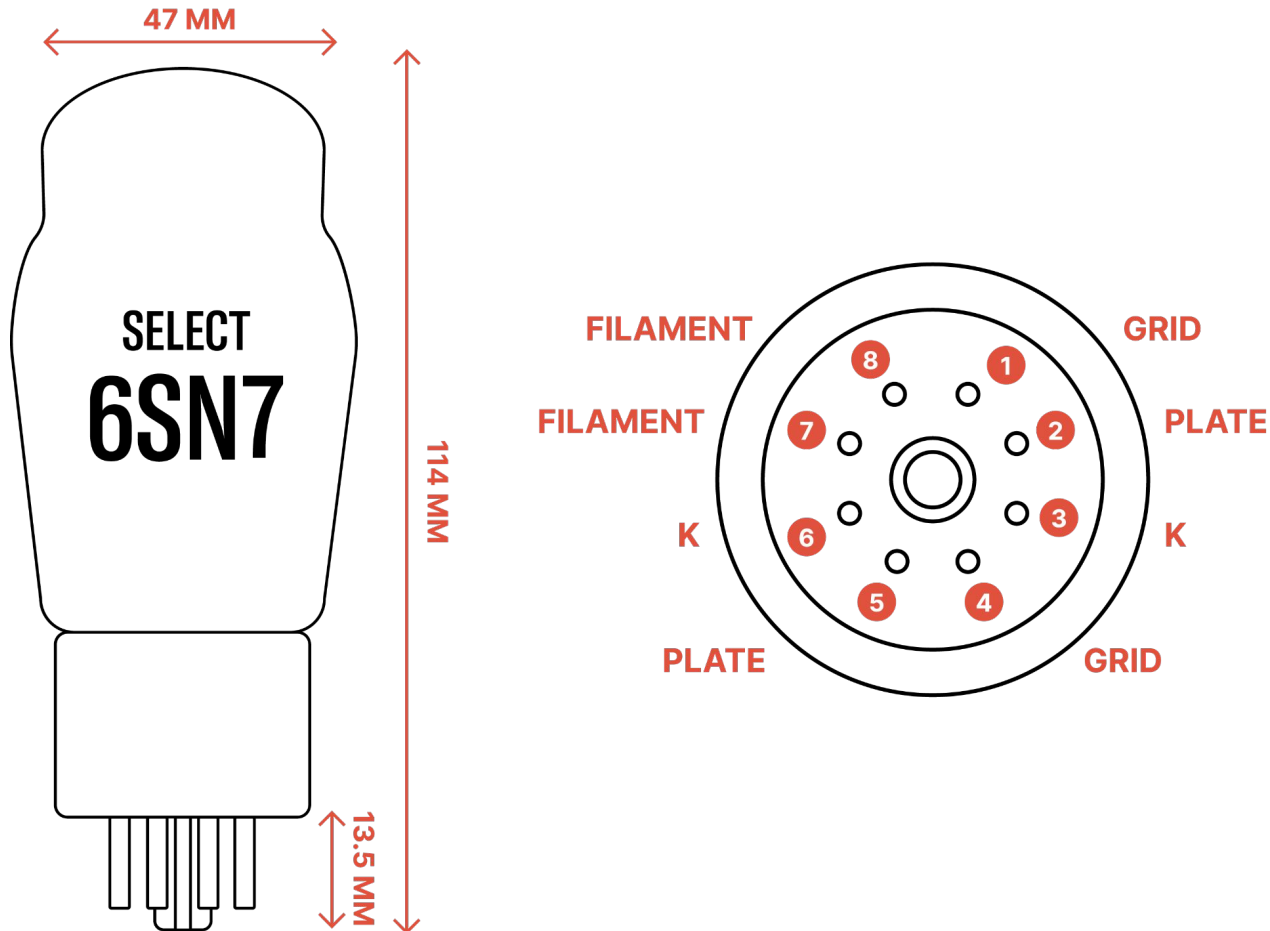


Technical Specification

- **Max Anode Voltage:** 450 V
- **Max Screen Voltage:** N/A
- **Max Grid Voltage:** ~8 V
- **Heater Voltage:** 6.3 V
- **Heater Current:** 0.6 A
- **Transconductance:** 2.6 mA/V
- **Amplification Factor:** 20
- **Internal Resistance:** 7.7 k Ω

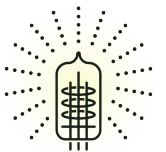


Technical Specification



Package Contents

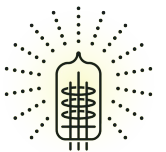
- Set of four, two or single vacuum tube
- User handbook featuring burn-in guidelines
- Certificate of authenticity and warranty



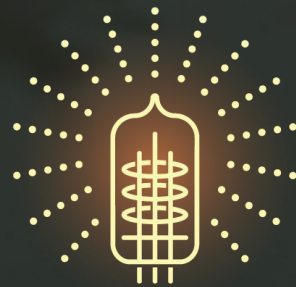
Ray Tubes Retail Partners

Local audio retailers are the beating heart of any community of audiophiles. No one's better placed to help you with every aspect of your purchase than your local retailer, and part of the Ray Tubes mission is to support those retailers in any way possible. That's why there are no direct sales through the Ray Tubes website. Instead, check out the extensive network of Ray Tubes retail partners at <https://raytubes.com/pages/retailers>.

You won't be disappointed.







RAY TUBES

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