


RAY TUBES

SELECT 2A3
Product Media Kit

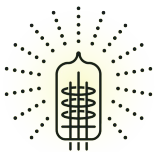


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- The background of the slide is a dark, semi-transparent image of various electronic components. On the left, there is a component with the text 'SELECT EL84' printed on it. In the center and right, there are larger, more complex components, possibly power tubes or transformers, with visible internal wiring and mounting structures. The overall aesthetic is technical and vintage.
1. The Product
 2. The Company
 3. The Numbers



SELECT 2A3

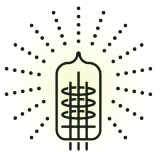
The 2A3 was introduced by RCA in the 1930s for use in large radios, public address systems, and early hi-fi setups. Despite its notoriously complex filament, **the 2A3 saw widespread use in military applications and in the post-war high-fi boom.** It was also a favourite of Paul Klipsch, who in 1946 invented his namesake Klipschorn loudspeaker.



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.

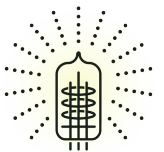
- Designed and manufactured by a team with decades of experience
- Hand-selected by engineers—only the top tubes make the cut
- Gold pins for durability and longevity
- Substantially more consistent performance than New Old Stock
- Unlike NOS and most other new production, covered by the Ray Tubes One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




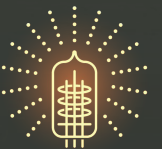
Sound Characteristics

The SELECT 2A3 takes the iconic 2A3 and adds the SELECT series' signature refinement and tonal balance. Whether in low-power amps or high-fidelity systems, the SELECT 2A3 is **an ideal choice for audiophiles who seek truth in sound and emotional connection in music.**

- The bass extension is moderate but well-controlled. Kick drums, double bass, and cellos sound clean and coherent.
- The midrange frequencies offer gently warm tonality, with an outstanding sense of resolution. Voices and instruments emerge naturally from the soundstage with a sense of air and dimensionality.
- The treble performance offers excellent extension without excessive coloration. Details are precise yet never fatiguing.



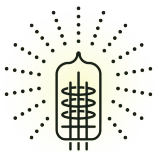
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Our Philosophy

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.

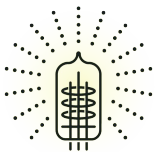
The bottom line: Ray Tubes puts in the work so you can experience the warm, vintage sound of tube audio **without the hassle**.



Our Quality Control

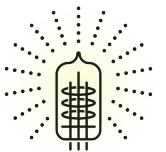
Each tube undergoes **a seven-step quality control process**, including a 24-hour burn-in period, stress tests to minimise microphonics, and critical parameters that are carefully measured to ensure consistency and accurate matching. Finally, sound engineers assess each tube **under real-world listening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

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



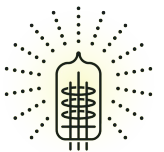
Our Warranty

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**.

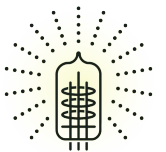


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- The background of the slide features a dark, semi-transparent image of several vacuum tubes. On the left, a tube is labeled 'SELECT EL84'. In the center, a tube is labeled 'RAY TUBES'. On the right, another tube is visible with some text that is partially obscured. The tubes are arranged in a way that they appear to be part of a larger assembly.
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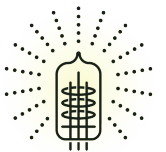
Technical Specification

- **Tube Type:** 2A3
- **Tube Socket:** 4-pin
- **Filament (Heater) Ratings**
 - **Filament Voltage:** 2.5 V
 - **Filament Current:** 2.5 A
- **Maximum Ratings**
 - **Plate Voltage:** 300 V
 - **Plate Dissipation:** 25 W



Technical Specification

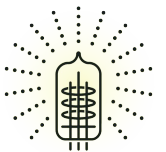
- **Interelectrode Capacitance at Zero Bias**
 - **Input Capacitance:** 7.5 pF
 - **Output Capacitance:** 5.5 pF
 - **Grid-to-Plate Capacitance:** 16.5 pF



Technical Specification

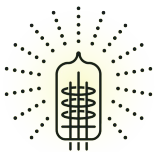
- **Static Characteristics (under typical conditions)**

- **Plate Voltage:** 250 V
- **Grid Voltage:** -45 V
- **Plate Current:** 60 mA
- **Transconductance:** 5.25 mA/V
- **Plate Resistance:** 0.8 k Ω
- **Amplification Factor:** 4.2
- **Output Power:** 3.5 W



Package Contents

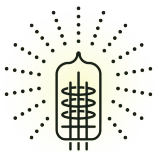
- Set of four, two or single vacuum tube
- User handbook featuring burn-in guidelines
- Certificate of authenticity and warranty



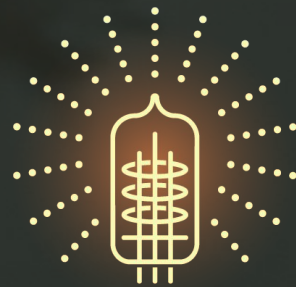
Ray Tubes Retail Partners

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.







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