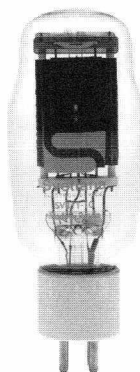


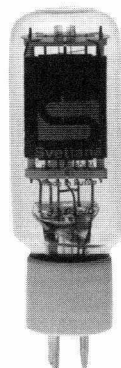
## SVETLANA SV811-10 & SV811-10A

### Low-Mu Power Triode

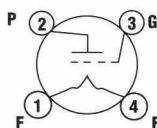
Power triode, medium 4-pin base. Thoriated-tungsten filament, hard glass envelope for high temperature operation and rugged metal anode. Very low distortion, suitable for single-ended or push-pull amplifiers in Class A2 or AB2 operation.



SV811-10



SV811-10A



#### Electrical

|                                                                |                    |    |
|----------------------------------------------------------------|--------------------|----|
| Filament .....                                                 | Thoriated-tungsten |    |
| Voltage (AC or DC) .....                                       | 6.3 ± 0.3          | V  |
| Current .....                                                  | 4                  | A  |
| Amplification factor (nominal) .....                           | 10                 |    |
| Transconductance (nominal) .....                               | 3800               | μS |
| Plate resistance (nominal) .....                               | 2500               | Ω  |
| Interelectrode capacitances (typical), with filament grounded: |                    |    |
| Grid to plate .....                                            | 8                  | pF |
| Grid to filament .....                                         | 7                  | pF |

#### Maximum Ratings

|                                       |     |    |
|---------------------------------------|-----|----|
| DC plate voltage .....                | 800 | V  |
| Maximum-signal DC plate current ..... | 160 | mA |
| Plate dissipation .....               | 65  | W  |
| Grid current .....                    | 50  | mA |

#### Typical Operation, Single Tube, Class A

|                                        |      |      |       |
|----------------------------------------|------|------|-------|
| Class of Operation .....               | A2   | A2   |       |
| DC plate voltage .....                 | 450  | 800  | V     |
| Grid voltage .....                     | -9   | -45  | V     |
| Peak grid drive .....                  | 110  | 127  | V P-P |
| DC plate current, zero signal .....    | 80   | 80   | mA    |
| DC plate current, max. signal .....    | 100  | 91   | mA    |
| Plate load resistance .....            | 5000 | 5000 | Ω     |
| Distortion at max. output .....        | 1.0  | 1.0  | %     |
| Power output at distortion above ..... | 8.3  | 13.4 | W     |

#### Typical Operation, Push-Pull, Two Tubes

|                                        |       |      |       |
|----------------------------------------|-------|------|-------|
| Class of Operation .....               | AB2   | AB2  |       |
| DC plate voltage .....                 | 450   | 800  | V     |
| Grid voltage .....                     | -16.5 | -51  | V     |
| Peak grid drive, grid-to-grid .....    | 360   | 420  | V P-P |
| DC plate current, zero signal .....    | 150   | 150  | mA    |
| DC plate current, max. signal .....    | 250   | 260  | mA    |
| Plate load resistance .....            | 9600  | 9600 | Ω     |
| Distortion at max. output .....        | 3.0   | 3.0  | %     |
| Power output at distortion above ..... | 41    | 91   | W     |

(Note: allow for contact potential and secondary emission in grid biasing.)

