

## DOUBLE TRIODE

# ECC34

Low impedance double triode with separate cathodes for use as combined frame time base oscillator and current amplifier to feed the deflector coils in A.C. television receivers.

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### HEATER

|       |      |   |
|-------|------|---|
| $V_h$ | 6.3  | V |
| $I_h$ | 0.95 | A |

### CAPACITANCES

|               |      |                  |
|---------------|------|------------------|
| $C_{a'-a''}$  | 0.48 | $\mu\mu\text{F}$ |
| * $C_{a-g}$   | 4.0  | $\mu\mu\text{F}$ |
| * $C_{g-k}$   | 3.5  | $\mu\mu\text{F}$ |
| * $C_{a-k}$   | 1.8  | $\mu\mu\text{F}$ |
| *Each section |      |                  |

### TYPICAL OPERATING CONDITIONS (each section)

|       |      |            |
|-------|------|------------|
| $V_a$ | 250  | V          |
| $I_a$ | 10   | mA         |
| $V_g$ | -16  | V          |
| $g_m$ | 2.2  | mA/V       |
| $r_a$ | 5.2  | k $\Omega$ |
| $\mu$ | 11.5 |            |

### LIMITING VALUES (each section)

|                         |      |            |
|-------------------------|------|------------|
| $V_{a(b)} \text{ max.}$ | 550  | V          |
| $V_a \text{ max.}$      | 300  | V          |
| $p_a \text{ max.}$      | 3.25 | W          |
| $I_k \text{ max.}$      | 50   | mA         |
| $V_{h-k} \text{ max.}$  | 50   | V          |
| $R_{h-k} \text{ max.}$  | 20   | k $\Omega$ |
| $R_{g-k} \text{ max.}$  | 2.0  | M $\Omega$ |

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