



# DOUBLE TRIODE

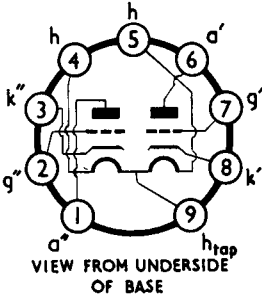
12.6V INDIRECTLY HEATED

PROVISIONAL  
**B329/12AU7**  
 AUGUST 1955

ISSUE I

The B329/12AU7 is a commercial equivalent of Type CV491

BASE CONNECTIONS AND VALVE DIMENSIONS



Base: B9A  
 Bulb: Tubular

Max. overall length: 56mm  
 Max. seated length: 49mm  
 Max. diameter: 22.2mm

HEATER

|       |     |      |   |
|-------|-----|------|---|
| $V_h$ | 6.3 | 12.6 | V |
| $I_h$ | 0.3 | 0.15 | A |

MAXIMUM RATINGS (Each section)

|           |      |    |
|-----------|------|----|
| $V_a$     | 300  | V  |
| $P_a$     | 2.75 | W  |
| $I_k$     | 20   | mA |
| $V_{h-k}$ | 180  | V  |

CAPACITANCES

|                           |        |               |        |
|---------------------------|--------|---------------|--------|
| $c_{a-g}$ (each section): | 1.5pF. | $c_{a'-k'}$   | 0.5pF  |
| $c_{g-k}$ (each section): | 1.6pF. | $c_{a''-k''}$ | 0.35pF |

CHARACTERISTICS (Each section)

|       |      |            |
|-------|------|------------|
| $V_a$ | 250  | V          |
| $I_a$ | 10.5 | mA         |
| $V_g$ | -8.5 | V          |
| $g_m$ | 2.2  | mA/V       |
| $\mu$ | 17   |            |
| $r_a$ | 7.7  | k $\Omega$ |

TYPICAL OPERATION

|            |     |            |
|------------|-----|------------|
| $V_a(b)$   | 250 | V          |
| $R_a$      | 100 | k $\Omega$ |
| $R_k$      | 2.7 | k $\Omega$ |
| $V_{gain}$ | 12  |            |

