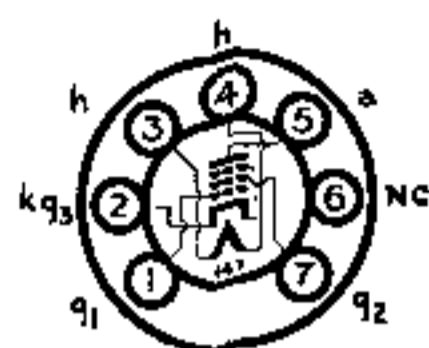


TYPE 6516
TRUSTWORTHY
POWER PENTODE



The BRIMAR 6516 is a trustworthy pentode suitable for use in power output stages.

RATINGS

| | | | | | | | |
|-----------------------------|-----|-----|-----|-----|-----|------|------------|
| Heater Voltage | ... | ... | ... | ... | ... | 6.3 | volts |
| Heater Current | ... | ... | ... | ... | ... | 0.2 | amp. |
| Anode Voltage | ... | ... | ... | ... | ... | 250 | volts max. |
| Anode Dissipation | ... | ... | ... | ... | ... | 4.0 | watts max. |
| Screen (g_2) Voltage | ... | ... | ... | ... | ... | 250 | volts max. |
| Screen Dissipation | ... | ... | ... | ... | ... | 0.60 | watts max. |
| Heater to Cathode Potential | ... | ... | ... | ... | ... | 150 | volts max. |

OPERATING CHARACTERISTICS

$V_h = 6.3$ V, $V_a = 250$ V, $V_{g_2} = 250$ V, $V_{g_1} = 0$, $V_{g_3} = 0$, $R_k = 740$ ohms, $C_k = 1000$ μ F

| | Min. | Bogey | Max. | |
|--------------------------------------------------|------|-------|------|------------|
| Anode Current (Zero Drive) | 12 | 15 | 18 | mA |
| Screen Current (Zero Drive) | 1.3 | 2.0 | 2.7 | mA |
| Mutual Conductance | 1.95 | 2.55 | 3.15 | mA/V |
| Anode Impedance | | 0.2 | | M Ω |
| Inner Amplification Factor ($\mu_{g_1 - g_2}$) | | 12 | | |
| Optimum Load | | 16 | | k Ω |
| Drive Voltage | | 5.3 | | V (rms) |
| Power Output | | 1.4 | | watts |
| Total Harmonic Distortion | | 10 | | % |

INTER-ELECTRODE CAPACITANCES

| | | | | | | |
|----------------------|-----|-----|-----|-----|------|----|
| Input | ... | ... | ... | ... | 4.25 | pf |
| Grid to Anode (max.) | ... | ... | ... | ... | 0.3 | pf |
| Output | ... | ... | ... | ... | 6.5 | pf |

Type 6516 is a commercial equivalent of the CV4063.