

# BRIMAR VALVES

TYPE **6064**

GAKS

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## R.M.A. REGISTRATION DATA

6064

### HIGH SLOPE R.F. PENTODE

This valve is designed for trustworthy operation under conditions of vibration and mechanical shock. It is particularly suitable for use in wide band amplifiers and will function (in conjunction with a suitable oscillator) as a frequency changer at frequencies up to 100 m/cs.

#### MECHANICAL DATA:

Coated unipotential cathode.

Outline drawing .....	5-2	Bulb .....	T-5 $\frac{1}{2}$
Base .....	E7-1	Miniature button	7-pin
Maximum diameter .....			3/4"
Maximum overall length .....			2.1/8"
Maximum seated height .....			1.7/8"
Pin connections .....		Basing No.	7BD

Pin 1 - Grid No. 1	Pin 5 - Plate
Pin 2 - Cathode	Pin 6 - Grid No. 3 and internal shield
Pin 3 - Heater	Pin 7 - Grid No. 2
Pin 4 - Heater	

TDB

Mounting position .....	any
Maximum shock (in intermittent service) .....	500 g
Vibration (continuous service) .....	2 $\frac{1}{2}$ g
Mechanical resonance .....	None below 100 c/s

#### ELECTRICAL DATA:

##### Direct inter-electrode capacitances:

Grid to plate .....	0.01 pF max.
Input .....	7.8 pF
Output .....	3.9 pF

\* With shield No. 316 connected to cathode.

Sheet 1 of 2

60650/100

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Ratings:

Heater voltage (ac or dc) .....	6.3 volts
Heater current .....	0.3 amp
Maximum heater-cathode voltage .....	90 volts
Maximum plate voltage .....	250 volts
Maximum plate dissipation .....	2.5 watts
Maximum Grid No. 2 voltage .....	250 volts
Maximum Grid No. 2 dissipation .....	0.8 watts

Typical operating characteristics:

Suppressor grid (Grid No. 3) connected to cathode

Anode voltage .....	200	250 volts
Anode current .....	9.0	10.0 mA
Screen voltage .....	200	250 volts
Control grid (Grid No. 1) voltage .....	-1.5	-2.0 volts
Cathode bias resistor .....	135	160 ohms
Plate impedance (approx.) .....	0.8	1.0 megohms
Mutual conductance .....	7.5	7.5 mA/V
Inner amplification factor ( $\mu_{g1-g2}$ ) .....	70	70