

BRIMAR

VALVES

R.M.A. REGISTRATION DATA

TYPE **6064**

GAKS

DATE ISSUED **9.2.51.**6064HIGH 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. ~~BD~~

Pin 1 - Grid No. 1

Pin 5 - Plate

Pin 2 - Cathode

Pin 6 - Grid No. 3 and

Pin 3 - Heater

internal shield

Pin 4 - Heater

Pin 7 - Grid No. 2

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.

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Standard Telephones and Cables Limited

BRIMAR VALVE WORKS, FOOTSCRAY, KENT, ENGLAND.

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 (μ_{g1-g2})	70	70