

# BRIMAR

## VALVES

TYPE **6063**DATE  
ISSUED **22.2.51.**

## R.M.A. REGISTRATION DATA

6063FULL WAVE RECTIFIER

This valve is designed for trustworthy operation under conditions of vibration and mechanical shock. It is designed for use in equipment where the current drain does not exceed 70 mA. The general characteristics and performance are as Type 6X4.

MECHANICAL DATA:

Coated unipotential cathode.

Outline drawing ..... 5-3 Bulb ..... T-5½

Base ..... E7-1 Miniature Button 7-pin.

Maximum diameter ..... 3/4"

Maximum overall length ..... 2.5/8"

Maximum seated height ..... 2.3/8"

Pin connections ..... Basing No. 5B5

Pin 1 - Plate No. 2

Pin 5 - Internally connected

Pin 2 - Internally connected

Pin 6 - Plate No. 1

Pin 3 - Heater

Pin 7 - Cathode

Pin 4 - Heater

Mounting position ..... any

Maximum shock (in intermittent service) ..... 720 g.

Vibration (continuous service) ..... 2.5 g.

Mechanical resonance ..... None below 100 c/s.

ELECTRICAL DATA:Ratings

Heater voltage (ac or dc) ..... 6.3 volts

Heater current ..... 0.6 amp

D.C. heater-cathode voltage ..... 450 volts

Peak plate current (per plate) ..... 210 mA

D.C. output current ..... 70 mA

Peak inverse plate voltage ..... 1250 volts

*Standard Telephones and Cables Limited*

BRIMAR VALVE WORKS, FOOTSCRAY, KENT, ENGLAND

Typical operating conditionsCondenser Input Filter

|                                            |            |
|--------------------------------------------|------------|
| Maximum R.M.S. voltage(per plate) .....    | 325 volts  |
| Minimum supply impedance (per plate) ..... | 150 ohms   |
| Maximum direct current output .....        | 70 mA      |
| Maximum reservoir condenser .....          | 32 $\mu$ F |

Choke Input Filter

|                                          |           |
|------------------------------------------|-----------|
| Maximum R.M.S. voltage (per plate) ..... | 450 volts |
| Maximum direct current output .....      | 70 mA     |
| Maximum choke inductance .....           | 8 Henries |