

BRIMAR VALVES

TYPE **6063**

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R.M.A. REGISTRATION DATA

6063

FULL 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. BS

- | | |
|------------------------------|------------------------------|
| 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

6063/100

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 μ F

Choke Input Filter

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