

BRIMAR

VALVES

TYPE **6067**DATE **2.3.51.**
ISSUED

R.M.A. REGISTRATION DATA

6067 TWIN TRIODE

The 6067 is a twin triode with the same characteristics as type 12AU7. It can be used as an audio-frequency amplifier or as a combined oscillator and mixer. It is designed for trustworthy operation under adverse conditions of vibration and mechanical shock.

MECHANICAL DATA

Coated unipotential cathodes.

Outline drawing 6-2 Bulb T-6 $\frac{1}{2}$
 Base E9-1 Small glass button 9-pin
 Maximum diameter 7/8"
 Maximum overall length 2.3/16"
 Maximum seated height 1.15/16"
 Pin connections Basing number 9A

Pin 1 - Plate (No. 2) Pin 6 - Plate (No. 1)
 Pin 2 - Grid (No. 2) Pin 7 - Grid (No. 1)
 Pin 3 - Cathode (No. 2) Pin 8 - Cathode (No. 1)
 Pin 4 - Heater Pin 9 - Heater centre tap.
 Pin 5 - Heater

Mounting position any
 Maximum shock (in intermittent operation) 550 g
 Vibration (continuous service) 2 $\frac{1}{2}$ g
 Mechanical resonance None below 100 c/s

ELECTRICAL DATADirect interelectrode capacitances [■]

	<u>Triode No. 1</u>	<u>Triode No. 2</u>
Grid to plate: (g to p)	1.5	1.5 μF
Input: (g to k+h)	1.6	1.6 μF
Output: (p to k+h)	0.5	0.35 μF

* Without external shield.

Standard Telephones and Cables Limited

BRIMAR VALVE WORKS, FOOTSCRAY, KENT, ENGLAND.

Ratings (each unit)

Heater voltage (ac or dc)	12.6 volts (series):6.3 volts (parallel)
Maximum heater-cathode voltage	90 volts
Maximum plate voltage	300 volts
Maximum negative dc grid voltage	-50 volts
Maximum positive dc grid voltage	0 volts
Maximum plate dissipation	2.75 watts
Maximum cathode current	20 mA
Maximum grid circuit resistance (fixed bias)	0.25 megohm
Maximum grid circuit resistance (self bias)	1.0 megohm

Typical operating conditions and characteristics, class A₁ amplifier
(each unit)

Heater voltage.....	12.6	6.3	12.6	6.3 volts
Heater current	150	300	150	300 mA
Plate voltage	100		250	volts
Grid voltage	0		-8.5	volts
Plate current	11.8		10.5	mA
Plate resistance	6,500		7,700	ohms
Transconductance	3,100		2,200	μmhos
Amplification factor	20		17	