

# BRIMAR VALVES

TYPE **6067**

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## 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-6½  
 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) ..... 2½ g  
 Mechanical resonance ..... None below 100 c/s

#### ELECTRICAL DATA

##### Direct interelectrode capacitances <sup>■</sup>

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

■ Without external shield.

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 A<sub>1</sub> 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	