

# BRIMAR VALVES

TYPE **6057**

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## R.M.A. REGISTRATION DATA

### 6057 TWIN TRIODE

The 6057 is a twin triode with the same characteristics as type 12AX7. It is suitable for applications where important considerations are high voltage gain at low heater power, such as voltage amplifiers, phase inverters and multivibrators. It is designed for trustworthy operation under adverse conditions of vibration and mechanical shock.

#### MECHANICAL DATA

Coated unipotential cathode.

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 DATA

##### Direct interelectrode capacitances $\mu$

	<u>Triode No. 1</u>	<u>Triode No. 2</u>
Grid to plate (g to p) .....	1.7	1.7 $\mu$ F
Input (g to k+h) .....	1.6	1.6 $\mu$ F
Output (p to k+h) .....	0.46	0.34 $\mu$ F

$\mu$  Without external shield.

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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 .....	1.0 watt

Typical operating conditions and characteristics; class A<sub>1</sub> amplifier  
(each triode)

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 .....	-1		-2	volts
Plate current .....	0.5		1.2	mA
Plate resistance .....	80,000		62,500	ohms
Transconductance .....	1,250		1,600	μmhos
Amplification factor .....	100		100	