

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 μ

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

μ Without external shield.

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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 A₁ 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	