

BRIMAR

VALVES

TYPE **6065**DATE ISSUED **2.3.51.**

R.M.A. REGISTRATION DATA

6065
PENTODE:

The 6065 is an indirectly heated variable-mu R.F. pentode on a 7-pin miniature base and is suitable for use in the R.F. and I.F. stages of compact radio equipment. It is designed for trustworthy operation under adverse conditions of vibration and mechanical shock.

MECHANICAL DATA

Coated unipotential cathode.

Outline drawing	5-2	Bulb	T-5½
Base	E7-1	Miniature glass button 7-pin	
Maximum diameter			3/4"
Maximum overall length			2.1/8"
Maximum seated height			1.7/8"
Pin connections		Basing number	7DB

Pin 1 - Grid No. 1

Pin 5 - Plate

Pin 2 - Cathode

Pin 6 - Grid No. 3 and
internal shield.

Pin 3 - Heater

Pin 7 - Grid No. 2

Pin 4 - Heater

Mounting position	any
Maximum shock (in intermittent operation)	500 g
Vibration (continuous service)	2½ g
Mechanical resonance	None below 100 c/s

ELECTRICAL DATADirect interelectrode capacitances ^{II}

Grid to plate: g1 to p (max.)	0.007 μμF
Input: g1 to (h+k+g2+g3+i.s.)	4.5 μμF
Output: p to (h+k+g2+g3+i.s.)	7.0 μμF

* External shield connected to Pin 2

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Ratings

Heater voltage (ac or dc)	6.3 volts
Maximum heater-cathode voltage	90 volts
Maximum plate voltage	250 volts
Maximum grid No. 2 voltage	250 volts
Maximum plate dissipation	2.5 watts
Maximum grid No. 2 dissipation	0.6 watt

Typical operating conditions and characteristics, class A₁ amplifier.

Heater voltage	6.3	6.3 volts
Heater current	200	200 mA
Plate voltage	250	250 volts
Grid No. 3 voltage	0	0 volts
Grid No. 2 voltage	150	200 volts
Grid No. 1 voltage	-0.65	-2.5 volts
Plate resistance (approx.)	1.0	1.0 megohm
Transconductance	2,500	2,500 μ mhos
Plate current	8.0	8.0 mA
Grid No. 2 current	2.0	2.1 mA

