from RMA release #134,
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TYPE 6J5GT

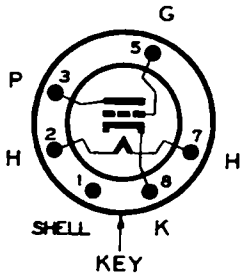
HYTRON RADIO TUBES

HYTRON BANTAM

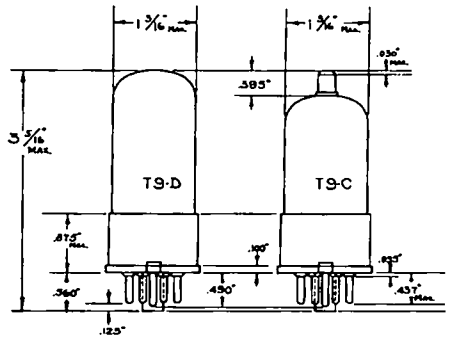
GENERAL DESCRIPTION

Application: The Hytron 6J5GTis a cathode type general purpose amplifier triode designed for use in resistance coupled amplifiers or in super-heterodyne circuits as an oscillator. The high mutual conductance and low output capacitance make the tube especially suited for high frequency oscillator service. The 6J5GTis a glass tube equipped with a small octal base. In general, the application and operation of this tube parallels that of the 6C5G.

Physical Characteristics: Bulb T-9D



Bottom View



RATING AND CHARACTERISTICS

Heater:

Voltage	6.3	Volts AC or DC
Current	0.3	Ampere

Note: Voltage between heater and cathode should be kept at a minimum if direct connection is not possible.

Operating Conditions: (Class A Amplifier)

Plate Voltage	250	Volts Max.
Grid Voltage	-8	Volts
Plate Current	9.0	Milliamperes
Plate Resistance	7700	Ohms Approx.
Mutual Conductance	2600	Micromhos Approx.
Amplification Factor	20	

Direct Interelectrode Capacitances:

Grid to Plate	3.4	µµf.
Input	3.8	µµf.
Output	3.3	µµf.

HYTRON CORPORATION SALEM, MASS.

JETEC DATA
JOINT ELECTRON TUBE ENGINEERING COUNCIL
COMMITTEE ON RECEIVING TUBES

JETEC TYPE 6J5GT

TRIODE

MECHANICAL DATA

Coated unipotential cathode

Outline drawing	9-12
Bulb	T-9
Base	B6-28 Small wafer octal 6-pin, metal sleeve
Maximum diameter	1-5/16",
Maximum overall length	3-5/16"
Maximum seated height	2-3/4"
Pin connections	Basing 6Q

Pin 1 - Base sleeve
Pin 2 - Heater
Pin 3 - Plate
Pin 5 - Grid
Pin 7 - Heater
Pin 8 - Cathode

Mounting position . . . . . Any

ELECTRICAL DATA

Direct interelectrode capacitances*

Grid to plate: (g to p)	3.8	µµf
Input: g to (h+k+b.s.)	4.2	µµf
Output: p to (h+k+b.s.)	5.0	µµf

*External shield #308 connected to pin #8.

Ratings

Heater voltage (ac or dc)	6.3	volts
Maximum heater-cathode voltage	90	volts
Maximum plate voltage	300	volts
Maximum positive DC grid voltage	0	volts
Maximum grid circuit resistance	1.0	megohm
Maximum plate dissipation	2.5	watts
Maximum cathode current	20	ma.

Typical operating conditions and characteristics, class A1 amplifier

Heater voltage	6.3	6.3	volts
Heater current	300	300	ma.
Plate voltage	90	250	volts
Grid voltage	0	-8	volts
Plate resistance (approx.)	6700	7700	ohms
Transconductance	3000	2600	µmhos
Plate current	10	9.0	ma.
Amplification factor	20	20	
Grid #1 voltage (approx.) for Ib= 10 µa	-7.0	-18	volts

Refer to "Interpretation of Receiving Tube Ratings"