GENERAL DESCRIPTION

APPLICATION:

The Hytron Bantam 1P5GT is a filament type pentode amplifier designed for service as a high frequency amplifier in receivers operating fron a low voltage battery filament supply.

It may also be employed as a I F amplifier or audio frequency voltage amplifier and in such use is capable of comparatively high gain.

The Hytron Bantam Type 1P5GT is a glass tube equipped with a small octal base and metal shell ring. It may be used interchangeably with Type 1P5G and affords simple shielding where necessary by using the standard slipover shield. Because of its small physical dimensions and unique electrical design, the Bantam Tube in many cases will require no additional shielding other than provided through Bantam construction.

PHYSICAL CHARACTERISTICS: BULB T 9C

RATINGS AND CHARACTERISTICS

Filament:

Voltage	1.4	volts
Current	.05	ampere

OPERATING CONDITIONS

Plate Voltage	90	volts
Screen Voltage	90	volts
Grid Voltage*	0	volts
Plate Current	2.3	ma.
Screen Current	.7	ma.
Plate Resistance (Approx.)	.8	megohm
Mutual Conductance	800	micromhos
Amplification Factor (Approx.)	640	
Mutual Conductance at Ec_1 = -12 V. (App.)	10	micromhos

*Negative filament return.

Direct Interelectrode Capacitances:

G_1-P (With tube shield)	.007	uuf. Max.
G_1- (F + G_2 + G_3)	2.2	uuf.
P-(F+G_2+G_3)	9.0	uuf.

PIN CONNECTIONS

Pin 1 - Shell	Pin 5 - Open
Pin 2 - Fil +	Pin 7 - Fil -
Pin 3 - Plate	Pin 8 - Open
Pin 4 - Screen	Top Cap - Grid