HYTRON CORPORATION TENTATIVE SPECIFICATIONS BANTAM TYPE 1P5GT

GENERAL DESCRIPTION

APPLICATION:

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

It may also be employed as a IF 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 3C

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 micromhos
Mutual Conductance at Ec1 = -12 V. (App.) 10

*Negative filament return.

Direct Interelectrode Capacitances:

G1-P (With tube shield) .007 uuf. Max.
G1-(F + G2 + G3) 2.2 uuf.
P-(F+G2+G3) 9.0 uuf.

PIN CONNECTIONS

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