

RADIOTRON

1N5-GT



R. F. AMPLIFIER PENTODE

As an R - F or I.F. amplifier, type 1N5-GT may usually be replaced directly by type 1P5-GT without affecting the performance of a receiver. Type 1P5-GT draws somewhat greater plate and screen currents than type 1N5-GT but this is only likely to cause difficulty in cases where the screen is fed through a dropping resistor. In such cases it may be desirable to reduce the resistance of the dropping resistor.

Filament	Coated	
Voltage	1.4	d.c. volts
Current	0.05	amp.

Direct Interelectrode Capacitances:

Grid to Plate*	.007 max.	μ F.
Input	3.2	μ F.
Output	10.0	μ F.

Maximum Overall Length 3-5/16"

Maximum Diameter 1-5/16"

Bulb T-9

Cap Skirted Miniature

Base Intermediate Shell Octal 7 Pin.

Pin 1-No Connection

Pin 2-Filament +

Pin 3-Plate

Pin 4-Screen



Pin 5-No Connection

Pin 7-Filament -

Pin 8-No Connection

Cap -Grid

BOTTOM VIEW (G-5Y)

Mounting Position

Any

AMPLIFIER - Class A₁ (Pentode Connection)

Plate Voltage	90	max.	volts
Screen Voltage	90	max.	volts
Typical Operation:-			
Filament Voltage	1.4	d.c.	volts
Plate Voltage	90		volts
Screen Voltage	90		volts
Grid Voltage*	0		volts
Plate Current	1.2		mA.
Screen Current	0.3		mA.
Plate Resistance (approx.)	1.5		megohm
Transconductance	750		μ hos
Transconductance (Eg1 = -4.0 V.)	5		μ hos

AMPLIFIER - Class A₁ (Triode Connection)*

Plate Voltage	90	max.	volts
Typical Operation:-			
Filament Voltage	1.4	1.4	d.c. volts
Plate Voltage	90	90	volts
Grid Voltage*	-1.0	0	volts
Plate Current	0.85	1.5	mA.
Plate Resistance	40,000	30,000	ohms
Transconductance	725	1,000	μ hos
Amplification Factor	29	30	

* With shield-can connected to negative filament terminal.

* Negative filament return. The grid circuit resistance may be as high as 10 megohms provided that the circuit constants are such that the plate current cannot under any circumstances exceed 1.0 mA. As an A.V.C. controlled R.F. amplifier the grid circuit resistance should not exceed 3 megohms for a single stage, 2.5 megohms for two controlled stages or 2 megohms for 3 controlled stages.

* Screen connected to plate at socket.

AMALGAMATED WIRELESS VALVE CO. PTY. LTD.

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