

# RADIOTRON

## 1Q5-GT

### BEAM POWER AMPLIFIER

 1Q5-GT  
SHEET 1


Filament	Coated		
Voltage	1.4		d-c volts
Current	0.1		amp.
Maximum Overall Length			3-5/16"
Maximum Seated Height			2-3/4"
Maximum Diameter			1-5/16"
Bulb			T-9
Base		Intermediate Shell Octal	7-Pin
Pin 1 - No Connection		Pin 5-Grid	
Pin 2 - Filament +		Pin 7-Filament -	
Pin 3 - Plate		Pin 8-No Connection	
Pin 4 - Screen			
Mounting Position			Any

BOTTOM VIEW (3-6AF)

AMPLIFIER

Plate Voltage				110 max. volts
Screen Voltage				110 max. volts
Zero-Signal Cathode Current				12 max. ma.

Typical Operation and Characteristics - Class A<sub>1</sub> Amplifier:

Plate	83.5	85	90	volts
Screen	83.5	85	90	volts
Grid	-6.5	-5	-4.5	volts
Peak A-F Grid Voltage	6.5	5	4.5	volts
Zero-Sig. Plate Cur.	5.0	7.0	9.5	ma.
Zero-Sig. Screen Cur.	0.5	0.8	1.3	approx. ma.
Plate Resistance	-	70000	75000	approx. ohms
Transconductance	-	1950	2200	μmhos
Load Resistance	15000	9000	8000	ohms
Total Harmonic Dist.	10	5.5	6.0	%
Max.-Sig. Power Output	140	250	270	mw.

The filament voltage should preferably be maintained within the limits of 1.25 and 1.4 volts. Under no circumstances should the filament voltage exceed, even temporarily, 1.54 volts.

← Indicates a change.