



25A6, 25A6-GT/G

25A6
25A6-GT/G

POWER AMPLIFIER PENTODE

Heater ■		Coated Unipotential Cathode	
Voltage	25	a-c or d-c volts	
Current	0.3	amp.	
	25A6	25A6-GT/G	
Direct Interelectrode Cap.	▲		
Grid to Plate	0.2	-	μuf
Input	8.5	-	μuf
Output	12.5	-	μuf
Maximum Overall Length	3-1/4"	3-5/16"	
Maximum Seated Height	2-11/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Base	{ Small Wafer { Octal 7-Pin	{ Intermed. Sh. { Octal 7-Pin	
Basing Designation	7S	G-7S	
Pin 1 { 25A6, Shell		Pin 5 - Grid	
Pin 1 { 25A6-GT/G, No Con.		Pin 7 - Heater	
Pin 2 - Heater		Pin 8 - Cathode,	
Pin 3 - Plate		Grid #3	
Pin 4 - Screen			
Mounting Position	Any		

BOTTOM VIEW

Maximum Ratings Are Design-Center Values AMPLIFIER

Plate Voltage	160 max. volts
Screen Voltage	135 max. volts
Plate Dissipation	5.3 max. watts
Screen Dissipation	1.9 max. watts

Typical Operation and Characteristics- Class A₁ Amplifier:

Plate Voltage	95	135	160	volts
Screen Voltage	95	135	120	volts
Grid Voltage *	-15	-20	-18	volts
Peak A-F Grid Voltage	15	20	18	volts
Zero-Sig. Plate Current	20	37	33	ma.
Max.-Sig. Plate Current	22	39	36	ma.
Zero-Sig. Screen Current	4	8	6.5	ma.
Max.-Sig. Screen Current	8	14	12	ma.
Plate Resistance	45000	35000	42000	ohms
Transconductance	2000	2450	2375	μmhos
Load Resistance	4500	4000	5000	ohms
Total Harmonic Distortion	11	9	10	%
Max.-Sig. Power Output	0.9	2	2.2	watts

■ Heater-cathode bias should not exceed 90 volts d.c. as measured between negative heater terminal and cathode.

▲ With shell connected to cathode. Values are approximate.

* The d-c resistance in the grid circuit should not exceed 0.5 megohm with cathode bias. With fixed bias, the d-c resistance may be as high as 0.5 megohm for the 95-volt condition, but should be limited to 0.1 megohm for the 135-volt and 160-volt conditions.

Curves under Type 43 also apply to the 25A6 and 25A6-GT/G.

◀ Indicates a change.

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RCA VICTOR DIVISION

DATA

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

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AVERAGE PLATE CHARACTERISTICS

