



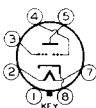
6AF6-G

6AF6-G

# ELECTRON-RAY TUBE

TWIN-INDICATOR TYPE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Overall Length	2-1/4"	{ +1/16" ← -1/4" ←
Seated Height	1-11/16"	{ +1/16" ← -1/4" ←
Maximum Diameter		1-5/16"
Bulb		T-9
Base	Intermed. Sh. Octal	7-Pin
Pin 1 - No Connection	Pin 4 - Ray-Control	Electrode, Unit No. 1
Pin 2 - Heater	Pin 5 - Target	
Pin 3 - Ray-Control	Pin 7 - Heater	
Electrode, Unit No. 2	Pin 8 - Cathode	



Mounting Position BOTTOM VIEW (7AG) Any\*\*

Maximum and Minimum Ratings Are Design-Center Values

### INDICATOR SERVICE

Target Voltage	{ 250 max.	volts	←
	{ 125 min.	volts	←
Ray-Control Electrode Supply Voltage	250 max.	volts	←
D-C Heater-Cathode Potential	90 max.	volts	←

#### Typical Operation:

Target Voltage	125	250	volts
Series Resistor $\square$	0.5	1.0	megohm
Target Current*	0.65	2.2	ma.
Ray-Control Electrode Voltage $\dagger$	80	160	approx. volts
Ray-Control Electrode Voltage $\dagger\dagger$	0	0	approx. volts

\*\* The plane of the ray-control electrodes passes through pins No. 3 and No. 7.

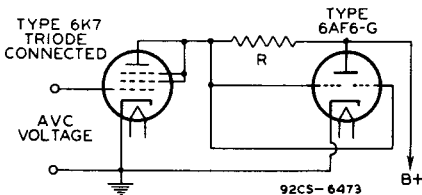
$\square$  Designated R in circuit diagram below.

\* With 0 volts on ray-control electrodes. Subject to wide variations.

$\dagger$  For shadow angle of  $0^\circ$  produced by either ray-control electrode.

$\dagger\dagger$  For shadow angle of  $95^\circ$  produced by either ray-control electrode.

### TYPICAL CIRCUIT USING TYPE 6AF6-G WITH RAY-CONTROL ELECTRODES IN PARALLEL



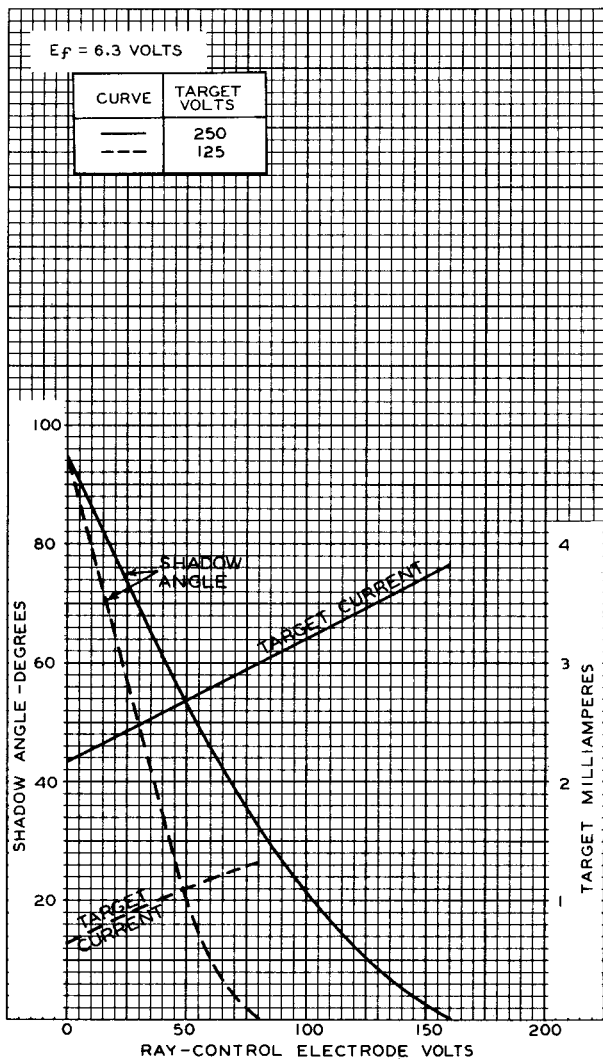
The license extended to the purchaser of tubes appears in the License Notice accompanying them. Information contained herein is furnished without assuming any obligations. ← Indicates a change.

6AF6-G



6AF6-G

## AVERAGE CHARACTERISTICS



SEPT. 25, 1944

RCA VICTOR DIVISION  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-4909R I