

# RADIO MANUFACTURERS ASSOCIATION



SUITE 701-4 AMERICAN BUILDING  
1317 F STREET, N.W.  
WASHINGTON, D. C.

R.M.A. DATA BUREAU  
90 West Street  
New York, N. Y.

RMA Release # 174 April 17, 1939

On application of

Companie des Lampes  
Paris,  
France

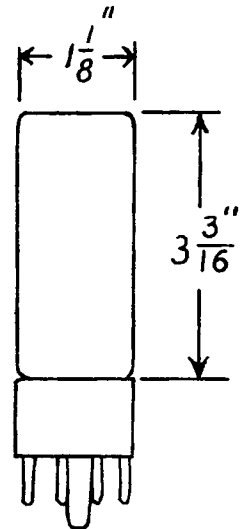
the type of vacuum tube defined by the ratings and characteristics given below has been registered under the tube type designation,

6 A F 7 G  
E L E C T R O N R A Y T U B E  
Twin Indicator Type

(Two anodes - one grid with one continuous and one variable pitch winding)

TENTATIVE CHARACTERISTICS AND RATINGS

Heater Voltage (AC or DC)	6.3 volts
Heater Current	0.3 amperes
Overall Length	3-3/16" max.
Diameter	1-1/8"
Bulb	T-9
Base	Small Shell Octal 8-pin

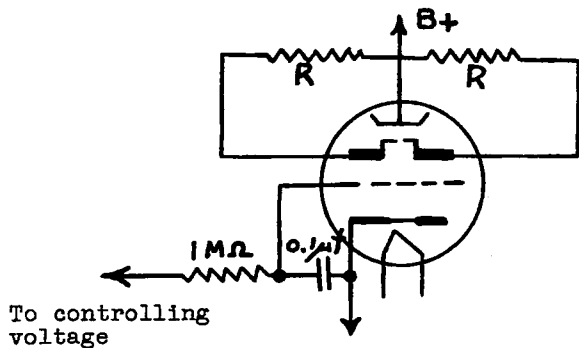


MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

Target Voltage	{ 250 max. volts 100 min. volts 250 max. volts			
Plate-Supply Voltage				
Typical Operation				
Heater voltage	6.3	6.3	6.3	volts
Plate and Target Supply Voltage	100	200	250	volts
Series resistance in each plate circuit	0.5	1	1	megohm
Target current (approx.)	0.4	2.5	3	milliamperes
Plate current-P <sub>1</sub> -zero grid voltage	0.15	0.16	0.20	"
Plate current-P <sub>2</sub> - " " "	0.12	0.13	0.18	"
Grid Voltage				
For Shadow angle of 0° (approx.) controlled by P <sub>1</sub>	-2.0	-4.5	-6.0	volts
" " " " 60° " " " P <sub>1</sub>	0	0	0	
" " " " 0° " " " P <sub>2</sub>	-5.0	-15.0	-19.0	volts
" " " " 60° " " " P <sub>2</sub>	0	0	0	

Typical Circuit Using Type 6AF7G

Bottom View of Socket Connections



To controlling voltage

Typical value of R is 0.5 megohm

