

# 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 Registration No. 225  
January 8, 1940

On application of

Compagnie des Lampes  
Paris, France

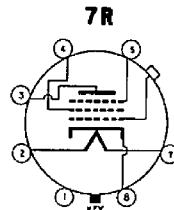
via the RCA Mfg. Co., Inc., the type of vacuum tube defined by the ratings and characteristics given below has been registered under the tube type designation

6M7G  
R. F. Pentode  
(Remote Cut-Off with Metallized Bulb)

Physical Specifications

Cathode	Coated Unipotential
Bulb	ST-12
Maximum Diameter	1-9/16"
Maximum Overall Length	4-15/32"
Maximum Seated Height	3-7/8"
Mounting Position	Any
Cap	Standard "G" tube top cap
Base	Standard 7 pin octal "G" type

Bottom View of Socket Connections



Pin No.1 to Metallization

Direct Interelectrode Capacitance

Grid to Plate	0.007	uuf
Input	6.3	uuf
Output	11	uuf

Ratings

Heater Voltage (A.C. or D.C.)	6.3	volts
Heater Current (A.C. or D.C.)	0.3	amps
Maximum Plate Voltage	250	volts
Maximum Screen Voltage	125	volts

Typical Operation and Characteristics

Heater	6.3	6.3	6.3	volts
Plate	100	250	250	"
Screen	100	100	125	"
Grid	-2.5	-2.5	-2.5	"
Suppressor	Connected to cathode at socket			
Amplification Factor	875	4,200	3,000	
Plate Resistance	0.35	1.5	0.9	megohm
Transconductance	2500	2800	3400	micromhos
No. 2 Grid Resistor	0	90,000	45,000	ohms
Plate Current	6.2	6.5	10.5	ma
Screen Current	1.8	1.7	2.8	ma
Grid bias for transcon-				
ductance = 2 micromhos	-25	-26	-31	volts
Cathode Resistor for self-				
bias operation	320	320	200	ohms