

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

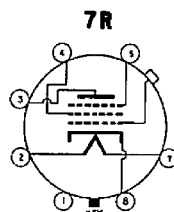
6M7G

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 transconductance = 2 micromhos	-25	-26	-31 volts
Cathode Resistor for self-bias operation	320	320	200 ohms