

6R7
6R7-GT/G

6R7, 6R7-GT/G

DUPLEX-DIODE TRIODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.

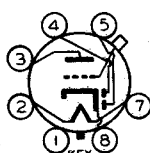
	6R7	6R7-GT/G	
Direct Interelectrode Cap.	▲		
Grid to Plate	2.4	-	μμf
Grid to Cathode	4.8	-	μμf
Plate to Cathode	3.8	-	μμf
Maximum Overall Length	3-1/8"	3-5/16"	
Maximum Seated Height	2-9/16"	2-3/4"	
Maximum Diameter	1-5/16"	1-5/16"	
Bulb	Metal Shell, MT-8	T-9	
Cap	Miniature	{ Skirted Miniature	
Base	{ Small Wafer Octal 7-Pin	{ Intermed. Shell Octal 7-Pin	
Basing Designation	7V	G-7V	

Pin 1 { 6R7, Shell
6R7-GT/G, No
Connection

Pin 2-Heater

Pin 3-Triode Plate

Mounting Position



Pin 4-Diode Plate #2

Pin 5-Diode Plate #1

Pin 7-Heater

Pin 8-Cathode

Cap - Triode Grid

Any

BOTTOM VIEW

Maximum Ratings Are Design-Center Values

TRIODE UNIT

Plate Voltage	250 max. volts
Plate Dissipation	2.5 max. watts
D-C Heater-Cathode Potential	100 max. volts
Typical Operation and Characteristics-Class A₁ Amplifier:	
Plate	250 volts
Grid	-9 volts
Amp. Fact.	16
Plate Res.	8500 ohms
Transcond.	1900 μmhos
Plate Cur.	9.5 ma.

Typical Operation—Resistance-Coupled Amplifier:

See RESISTANCE-COUPLED AMPLIFIER CHART. Under maximum rated conditions, the d-c resistance in the grid circuit of the 6R7 and 6R7-GT/G should not exceed 1.0 megohm.

DIODE UNITS - Two

For consideration of these units, see Type 85. Circuits will be similar to those shown for Type 55 with fixed bias. Diode biasing of the triode unit of the 6R7 and 6R7-GT/G is not suitable. Diode curves under Type 6B7 apply to the 6R7 and 6R7-GT/G.

▲ Triode unit with shell connected to cathode. Values are approximate.

An additional curve applying to Types 6R7 and 6R7-GT/G is shown under Type 6SR7.

← Indicates a change.

DEC. 1, 1943

RCA VICTOR DIVISION

RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

6R7



6R7

AVERAGE CHARACTERISTICS TRIODE UNIT

