

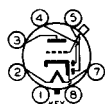


6R7
6R7-GT/G

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	-	μf
Grid to Cathode	4.8	-	μf
Plate to Cathode	3.8	-	μf
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	{ Intermed. Shell	
	{ Octal 7-Pin	{ Octal 7-Pin	
Basing Designation	7V	G-7V	
Pin 1 { 6R7, Shell		Pin 4 - Diode Plate #2	
Pin 1 { 6R7-GT/G, No		Pin 5 - Diode Plate #1	
Pin 1 { Connection		Pin 7 - Heater	
Pin 2 - Heater		Pin 8 - Cathode	
Pin 3 - Triode Plate		Cap - Triode Grid	
Mounting Position			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 6R7 apply to the 6R7 and 6R7-GT/G.

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

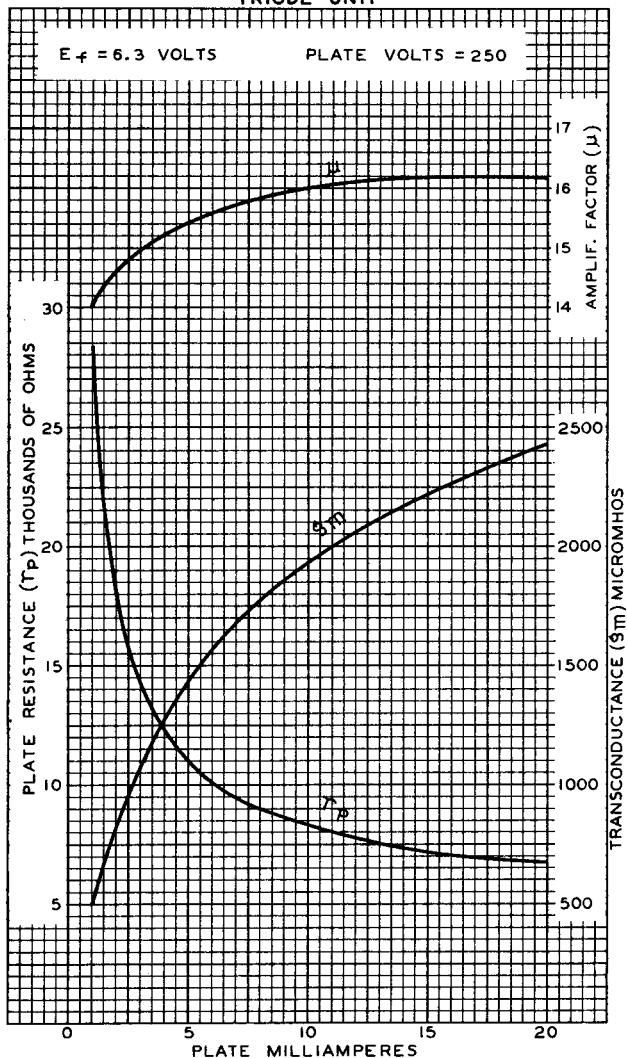
An additional curve applying to Types 6R7 and 6R7-GT/G is shown under Type 6SR7.

← Indicates a change.

6R7



6R7

AVERAGE CHARACTERISTICS
TRIODE UNIT

DEC. 14, 1943

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

92CM-4546RI