

6R7  
6R7-GT/G

## 6R7, 6R7-GT/G

## DUPLIX-DIODE TRIODE

Heater		Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts	
Current	0.3	amp.	
	<u>6R7</u>	<u>6R7-GT/G</u>	
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 Octal 7-Pin	{ Intermed. Shell Octal 7-Pin	
Basing Designation	7V	G-7V	
Pin 1 { 6R7, Shell 6R7-GT/G, No Connection		Pin 4 - Diode Plate #2	
Pin 2 - Heater		Pin 5 - Diode Plate #1	
Pin 3 - Triode Plate		Pin 7 - Heater	
Mounting Position		Pin 8 - Cathode	
		Cap - Triode Grid	



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
<b>Typical Operation and Characteristics—Class A<sub>1</sub> Amplifier:</b>	
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



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### AVERAGE CHARACTERISTICS TRIODE UNIT

