

TYPICAL OPERATION AT FREQUENCIES UP TO 50 MHz

Plate Voltage	300	volts
Grid Voltage	-27	volts
Plate Current	25	mA
Grid Current (Approx.)	7	mA
Driving Power (Approx.)	0.35	watt
Power Output (Approx.)*	5.5	watts

* Approximately 2.5 watts power output can be obtained when the 6C4 is used at 150 MHz as an oscillator with grid resistor of 10,000 ohms and with maximum rated input.

Refer to chart at end of section.

6C5

Refer to chart at end of section.

6C5GT

Refer to chart at end of section.

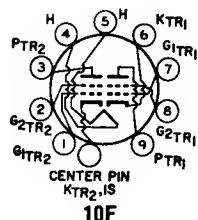
6C6

Refer to chart at end of section.

6C7

Refer to chart at end of section.

6C8G

SHARP-CUTOFF
DUAL TETRODE6C9
17C9

Miniature type used as vhf rf-amplifier and autodyne mixer tube. Outlines section, 6B; except center pin is added to base; requires miniature 10-contact socket. Type 17C9 is identical with type 6C9 except for heater ratings.

Heater Voltage (ac/dc)	6C9 6.3	17C9 16.8	volts
Heater Current	0.4	0.15	ampere
Peak Heater-Cathode Voltage	±100 max	±100 max	volts
Direct Interelectrode Capacitances:	Unit No. 1	Unit No. 2	
Grid No.1 to Plate	0.055 max	0.06 max	pF
Grid No.1 to Cathode, Heater, Grid No.2, and Internal Shield	4.4	4.2	pF
Plate to Cathode, Heater, Grid No.2 and Internal Shield	2.2	2.2	pF
Heater to Cathode	4.2	4.8	pF
Plate of Unit No.1 to Plate of Unit No.2	0.003 max		pF
Grid No.1 of Unit No.1 to Grid No.1 of Unit No.2	0.001 max		pF
Grid No.1 of Unit No.1 to Plate of Unit No.2	0.001 max		pF
Grid No.1 of Unit No.2 to Plate of Unit No.1	0.032 max		pF

Class A₁ Amplifier (Each Unit)

MAXIMUM RATINGS (Design-Maximum Values)

Plate Voltage	250	volts
Grid-No.2 (Screen-Grid) Supply Voltage	180	volts
Grid-No.2 Voltage	See curve page 98	
Cathode Current	20	mA
Plate Dissipation:		
Either plate	1.5	watts
Both plates (both units operating)	2.5	watts
Grid-No.2 Input:		
For grid-No.2 voltages up to 90 volts	0.5	watt
For grid-No.2 voltages between 90 and 180 volts	See curve page 98	

CHARACTERISTICS

Plate Voltage	125	volts
Grid-No.2 Voltage	80	volts
Grid-No.1 Voltage	-1	volt
Plate Resistance (Approx.)	0.1	megohm
Transconductance	8000	μmhos
Plate Current	10	mA
Grid-No.2 Current	1.5	mA
Grid-No.1 Voltage (Approx.) for plate current of 20 μA	-6	volts