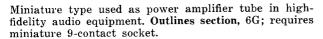
7060 Refer to chart at end of section.

7061 Refer to chart at end of section.

7167 Refer to chart at end of section.

7189

POWER PENTODE





Crid No 2

Heater Voltage	6.3	volts		
Heater Current	0.76	ampere		
Peak Heater-Cathode Voltage	$\pm 100 \text{ max}$	volts		
Direct Interelectrode Capacitances (Approx.):				
Grid No.1 to Plate	0.5	pF		
Grid No.1 to Cathode, Heater, Grid No.2, and Grid No.3	10.8	\mathbf{pF}		
Plate to Cathode, Heater, Grid-No.2, and Grid No.3	6.5	\mathbf{pF}		
Grid No.1 to Heater	0.25	pF		
Class A, Amplifier				
CHARACTERISTICS				
Plate Voltage	250	volts		
Grid-No.2 (Screen-Grid) Voltage	250	volts		
Grid-No.1 (Control-Grid) Voltage	7.3	volts		
Mu-Factor, Grid No.2 to Grid No.1	19.5			
Plate Resistance (Approx.)	40000	ohms		
Transconductance	11300	μ mhos		
Plate Current	48	mA		
Grid-No.2 Current	5.5	mA		
GIR-110.2 Cuttent				

Push-Pull Class AB, Amplifier

		Special	
MAXIMUM RATINGS (Design-Center Values)	(Connection•	
Plate Voltage	400	375	volts
Grid-No.2 Voltage	300	•	volts
Cathode Current	65	65	mA
Plate Dissipation	12	12	watts
Zero-Signal Grid-No.2 Input	2	2	watts
Maximum-Signal Grid-No.2 Input	4	4	watts
TYPICAL OPERATION (Values are for two tubes)			
Plate Supply Voltage		375	volts
Plate Voltage	400	_	volts
Grid-No.2 Supply Voltage	_	•	
Grid-No.2 Voltage	300	•	volts
Grid-No.1 Voltage	-15	_	volts
Cathode-Bias Resistor		220	ohms
Peak AF Grid-No.1 Voltage	14.8	17.7	volts
Zero-Signal Plate Current	15	70	mA
Maximum-Signal Plate Current	105	81	mĄ
Zero-Signal Grid-No.2 Current	1.6	•	mĄ
Maximum-Signal Grid-No.2 Current	25		,mA
Effective Load Resistance (Plate-to-plate)	8000	11000	ohms
Total Harmonic Distortion	4	3	per cent
Maximum-Signal Power Output	24	16.5	watts
MAXIMUM CIRCUIT VALUES	Fixed Bias	Cathode Bias	
Grid-No.1-Circuit Resistance	0.3	1	megohm

- Grid No.2 of each tube connected to tap on plate winding of output transformer.
- Obtained from taps on primary winding of the output transformer. The taps are located on each side of the center tap (B+) so as to supply 43 per cent of the plate signal voltage to grid No.2 of each output tube.