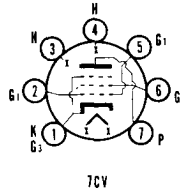


35C5

11C5

AUDIO POWER AMPLIFIER**Beam Power Pentode**

Construction Miniature T-5½
 Base Button 7 Pin, E7-1
 Basing 7CV
 Outline 5-3
 Maximum Diameter 0.750 In.
 Maximum Seated Height 2.375 In.
 Maximum Overall Height 2.625 In.

**ELECTRICAL DATA
HEATER OPERATION**

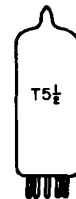
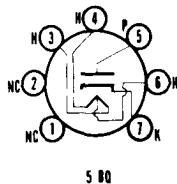
	11C5	35C5
Heater Voltage.....	11.6	35 Volts
Heater Current	450	150 Ma
Maximum Heater-Cathode Voltage	200	200 Volts
DIRECT INTERELECTRODE CAPACITANCES (Unshielded)		
Grid No. 1 to Plate		0.6 Pf
Input: g1 to (h + k + g2 + g3)		12 Pf
Output: p to (h + k + g2 + g3)		9 Pf
RATINGS (Design Maximum Rating System)		
Plate Voltage (Max.)		150 Volts
Screen Voltage (Max.)		130 Volts
Plate Dissipation (Max.)		5.2 Watts
Screen Dissipation (Max.)		1.1 Watts
Control Grid Circuit Resistance		
Fixed Bias (Max.)		0.1 Megohm
Cathode Bias (Max.)		0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

Plate Voltage	110 Volts
Screen Voltage.....	110 Volts
Control Grid Voltage	-7.5 Volts
Peak AF Control Grid Voltage	7.5 Volts
Zero Signal Plate Current.....	40 Ma
Maximum Signal Plate Current	41 Ma
Zero Signal Screen Current	3 Ma
Maximum Signal Screen Current	7 Ma
Plate Resistance (Approx.)	13,000 Ohms
Transconductance	5800 μmhos
Load Resistance	2500 Ohms
Maximum Signal Power Output	1.5 Watts
Total Harmonic Distortion (Approx.)	10 Percent

35W4**HALF WAVE RECTIFIER****Heater-Cathode Diode**

Construction Miniature T-5½
 Base Button 7 Pin, E9-1
 Basing 5BQ
 Outline 5-3
 Maximum Diameter 0.750 In.
 Maximum Seated Height 2.375 In.
 Maximum Overall Height 2.625 In.

**ELECTRICAL DATA
HEATER OPERATION**

Heater Voltage.....	32 Volts
Heater Current	150 Ma
Maximum Heater-Cathode Voltage	360 Volts
RATINGS (Design Maximum Rating System)	
Peak Inverse Plate Voltage (Max.)	360 Volts

Peak Plate Current (Max.)	660 Ma
DC Output Current with Panel Lamp	
No Shunting Resistor (Max.)	66 Ma
With Shunting Resistor (Max.)	100 Ma
Without Panel Lamp (Max.)	110 Ma
Panel Lamp Section Voltage (Panel Lamp Open) (Max.)	17 Volts
Tube Voltage Drop at 200 Ma Plate Current (Max.)	18 Volts

CHARACTERISTICS AND TYPICAL OPERATION (Half-Wave Rectifier Service)**Capacitor Input to Filter****Panel Lamps No. 40 or 47 and C Input = 40 μ f**

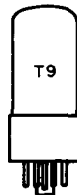
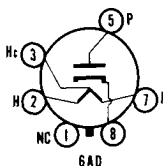
Heater Voltage	32	32	32	32 Volts
Heater Current	150	150	150	150 Ma
Plate Supply (RMS)	117	117	117	117 Volts
Minimum Effective Plate Supply Impedance	11	15	15	15 Ohms
Panel Lamp Shunting Resistor	—	300	150	100 Ohms
DC Output Current	60	70	80	90 Ma

Without Panel Lamp and C Input = 40 μ f

Heater Voltage	35 Volts
Heater Current	150 Ma
Plate Supply Voltage (RMS)	117 Volts
Minimum Effective Plate Supply Impedance	15 Ohms
DC Output Current	100 Ma
Maximum Value of Panel Lamp Shunting Resistor	
70 Ma Output	800 Ohms
80 Ma Output	400 Ohms
90 Ma Output	250 Ohms

HALF-WAVE POWER RECTIFIER**35Z5GT****Heater-Cathode Diode**

Construction	Octal T-9
Base	Octal 6 Pin, B6-8, or B6-60
Basing	.6AD
Outline	9-11 or 9-41
Maximum Diameter	1.188 In.
Maximum Seated Height	2.750 In.
Maximum Overall Height	3.312 In.

**ELECTRICAL DATA****HEATER OPERATION**

	Without Panel Lamp	With No. 40 or 47 Panel Lamp
Heater Voltage		
Entire Heater (Pins 2 and 7)	35	35 Volts
Panel Lamp Section (Pins 2 and 3)	7.5	5.5 Volts
Heater Current		
Between Pins 2 and 7	150	— Ma
Between Pins 3 and 7	—	150 Ma
Maximum Heater-Cathode Voltage (DC)	350	350 Volts

CHARACTERISTICS AND TYPICAL OPERATION**Half-Wave Rectifier with No. 40 or 47 Panel Lamp Capacitor Input to Filter**

AC Plate Supply Voltage (RMS)	117	117	117	117	235 Volts
Filter Input Capacitance	40	40	40	40	40 Pf
Minimum Total Effective					
Plate Supply Impedance	15	15	15	15	100 Ohms
Panel Light Shunting Resistor	—	300	150	100	— Ohms
DC Output Current	60	70	80	90	60 Ma

Half-Wave Rectifier Without Panel Lamp Capacitor Input to Filter

AC Plate Supply Voltage (RMS)	117	235 Volts
Filter Input Capacitance	40	40 Pf
Minimum Total Effective Plate Supply Impedance	15	100 Ohms
DC Output Voltage at Input to Filter (Approx.)		
At 50 Ma (Half Load)	140	280 Volts
At 100 Ma (Full Load)	120	235 Volts
Percent Regulation	14	16 Percent
DC Output Current	100	100 Ma

NOTE:

(1) Plate Current must not flow through tap section (Pins 2 and 3).