

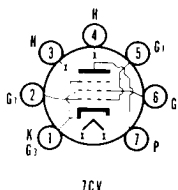
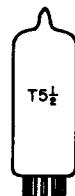
Plate Current	50 Ma
Grid No. 2 Current	1.75 Ma
Transconductance	9100 μ mhos
Plate Resistance	11,000 Ohms
Amplification Factor ⁽³⁾	4.7
E _{c1} for I _b = 1.0 Ma (Approx.)	-33 Volts

INSTANTANEOUS PLATE KNEE VALUESE_b = 60 V; E_{c2} = 130 V and E_{c1} = 0 VI_b = 410 Ma, and I_{c2} = 24 Ma**NOTES:**

- (1) For operation in a 525 line, 30 frame system as described in "Standards of Good Engineering Practice for Television Broadcast Stations; Federal Communications Commission," the duty cycle of the voltage pulse must not exceed 15% of one horizontal scanning cycle.
- (2) In stages operating with grid leak bias, an adequate cathode bias resistor or other suitable means is required to protect the tube in the absence of excitation.
- (3) Amplification factor with tube operation as a triode with 130 volts on the plate and Grid No. 2 and -20 volts on Grid No. 1.

AUDIO OUTPUT AMPLIFIER**34GD5A****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**

Heater Voltage	34 Volts
Heater Current	100 Ma
Heater Warm-up Time	20 Seconds
Maximum Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
Total DC and Peak	200 Volts
Heater Positive with Respect to Cathode	
DC	100 Volts
Total DC and Peak	200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid No. 1 to Plate	0.6 Pf
Input: g ₁ to (h + k + g ₂ + g ₃)	12 Pf
Output: p to (h + k + g ₂ + g ₃)	9.0 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)	150 Volts
Grid No. 2 Voltage (Max.)	130 Volts
Plate Dissipation (Max.)	5.0 Watts
Grid No. 2 Dissipation (Max.)	1.1 Watts
Grid No. 1 Circuit Resistance	
Fixed Bias (Max.)	0.1 Megohm
Cathode Bias (Max.)	0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Class A1 Amplifier**

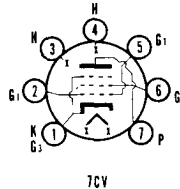
Plate Voltage	110 Volts
Grid No. 2 Voltage	110 Volts
Grid No. 1 Voltage	-7.5 Volts
Peak AF Grid No. 1 Voltage	7.5 Volts
Zero-Signal Plate Current	35 Ma
Zero-Signal Grid No. 2 Current	3.0 Ma
Transconductance	5700 μ mhos
Plate Resistance (Approx.)	13,000 Ohms
Load Resistance	2500 Ohms
Maximum Signal Power Output	1.4 Watts
Total Harmonic Distortion (Approx.)	10 Percent

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**

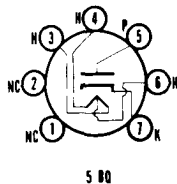
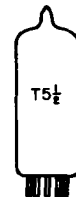
	11C5	35C5
Heater Voltage.....	11.6	35 Volts
Heater Current	450	150 Ma
Maximum Heater-Cathode Voltage	200	200 Volts
DIRECT INTERELECTRODE CAPACITANCES (Unshielded)		
Grid No. 1 to Plate		0.6 Pf
Input: g1 to (h + k + g2 + g3)		12 Pf
Output: p to (h + k + g2 + g3)		9 Pf
RATINGS (Design Maximum Rating System)		
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