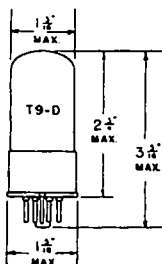


TUNG-SOL



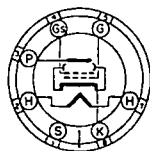
BEAM POWER AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
35 VOLTS 0.15 AMPERE
AC OR DC

GLASS BULB

7 PIN OCTAL BASE



TAC
BOTTOM VIEW

THE TUNG-SOL 35L6GT IS DESIGNED PRIMARILY FOR SERVICE IN THE OUTPUT STAGE OF AC-DC RECEIVERS EMPLOYING 150 MA. HEATER TUBES.

OPERATING CONDITIONS AND CHARACTERISTICS

PLATE VOLTAGE ^{MAX.}	110	VOLTS
SCREEN VOLTAGE ^{MAX.}	110	VOLTS
GRID VOLTAGE ^G	-7.5	VOLTS
PEAK AF SIGNAL VOLTAGE	7.5	VOLTS
GRID CIRCUIT RESISTANCE, SELF BIAS	0.75	MEG OHM
AMPLIFICATION FACTOR ^{APPROX.}	80	
TRANSCONDUCTANCE	5800	UMHOS
ZERO-SIGNAL PLATE CURRENT	40	MA.
MAX.-SIGNAL PLATE CURRENT	41	MA.
ZERO-SIGNAL SCREEN CURRENT	3	MA.
MAX.-SIGNAL SCREEN CURRENT	7	MA.
LOAD RESISTANCE	2500	OHMS
DISTORTION		
TOTAL HARMONIC	6.5	PER CENT
SECOND HARMONIC	4.0	PER CENT
THIRD HARMONIC	5.0	PER CENT
POWER OUTPUT	1.5	WATTS

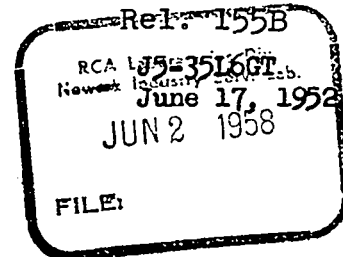
^G A 150 OHM CATHODE BIAS RESISTOR IS RECOMMENDED FOR CONDITIONS ENCOUNTERED IN AC - DC RECEIVERS.

from RMA release #155, Jan. 6, 1939

JETEC DATA
JOINT ELECTRON TUBE ENGINEERING COUNCIL
COMMITTEE ON RECEIVING TUBES

JETEC TYPE 35L6GT

BEAM PENTODE



MECHANICAL DATA

Coated unipotential cathode
Outline drawing. 9-11 or 9-41 Bulb. T-9
Base B6-81 or B7-7 intermediate shell octal
 or B6-84 or B7-59 short intermediate shell octal
Maximum diameter 1-9/32"
Maximum overall length 3-5/16"
Maximum seated height. 2-3/4"
Pin connections. Basing 7AC
 *Pin 1 - No connection Pin 5 - Grid #1
 Pin 2 - Heater Pin 7 - Heater
 Pin 3 - Plate Pin 8 - Cathode, beam plates
 Pin 4 - Grid #2
 *Pin #1 omitted on Base Nos. B6-81 and B6-84.
Mounting position. any

ELECTRICAL DATA

Ratings

Heater voltage (ac or dc)	35.0	volts
Maximum plate voltage.	200	volts
Maximum grid #2 voltage.	125	volts
Maximum plate dissipation.	8.5	watts
Maximum grid #2 dissipation.	1.0	watts
Maximum grid #1 circuit resistance:		
Self-bias.	0.5	megohm
Fixed-bias	0.1	megohm
Maximum heater-cathode voltage	90	volts

Typical Operating Conditions and Characteristics, Class A1 Amplifier

Heater voltage	35.0	35.0	volts
Heater current	150	150	ma
Plate voltage	110	200	volts
Grid #2 voltage.	110	125	volts
Grid #1 voltage.	-7.5	0	volts
Peak a-f grid #1 voltage	7.5	8.0	volts
Cathode-bias resistor.	0	180	ohms
Plate resistance (approx.)	14,000	34,000	ohms
Transconductance	5800	6100	μmhos
Zero-signal plate current.	40	43	ma
Maximum-signal plate current.	41	43	ma
Zero-signal grid #2 current.	3	2.0	ma
Maximum-signal grid #2 current	7	5.5	ma
Load resistance.	2500	5000	ohms
Total harmonic distortion.	10	10	%
Power output.	1.5	3.0	watts

Refer to "Interpretation of Receiving Tube Ratings"