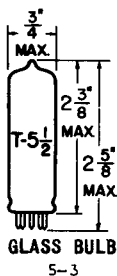


## TUNG-SOL

BEAM POWER TUBE  
MINIATURE TYPE

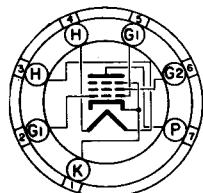
COATED UNIPOTENTIAL CATHODE

HEATER

34 VOLTS 0.10 AMP.

AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

SMALL-BUTTON MINIATURE  
7 PIN BASE

TCV

THE 34GD5 IS A BEAM POWER TUBE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS AN AUDIO AMPLIFIER TUBE IN AC/DC RADIO RECEIVERS.

DIRECT INTERELECTRODE CAPACITANCES  
WITHOUT EXTERNAL SHIELD

GRID #1 TO PLATE	0.6	pf
GRID #1 TO K, G3, H & G2	12	pf
PLATE TO K, G3, H & G2	9	pf

## RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

CLASS A<sub>1</sub> AMPLIFIER

HEATER CURRENT <sup>B</sup>	0.100±.006	AMP.
MAXIMUM PLATE VOLTAGE	150	VOLTS
MAXIMUM GRID #2 VOLTAGE	130	VOLTS
MAXIMUM PLATE DISSIPATION	5	WATTS
MAXIMUM GRID #2 INPUT	1.1	WATTS
MAXIMUM PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	200 <sup>A</sup>	VOLTS
MAXIMUM BULB TEMPERATURE (AT HOTTEST POINT)	250	°c

## MAXIMUM CIRCUIT VALUES

GRID #1 CIRCUIT RESISTANCE:		
FOR FIXED-BIAS OPERATION (MAX.)	0.1	MEGOHM
FOR CATHODE-BIAS OPERATION (MAX.)	0.5	MEGOHM

## CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

PLATE VOLTAGE	110	VOLTS
GRID #2 VOLTAGE	110	VOLTS
GRID #1 VOLTAGE	-7.5	VOLTS
PEAK AF GRID #1 VOLTAGE	7.5	VOLTS

CONTINUED ON FOLLOWING PAGE

## TUNG-SOL

CONTINUED FROM PRECEDING PAGE

## CHARACTERISTICS

(CONT'D.)

CLASS A<sub>1</sub> AMPLIFIER

ZERO-SIGNAL PLATE CURRENT	35	MA.
ZERO-SIGNAL GRID #2 CURRENT	3	MA.
PLATE RESISTANCE (APPROX.)	13000	OHMS
TRANSCONDUCTANCE	5700	MMHOS
LOAD RESISTANCE	2500	OHMS
TOTAL HARMONIC DISTORTION (APPROX.)	10	PERCENT
MAX.-SIGNAL POWER OUTPUT	1.4	WATTS

<sup>A</sup> THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

<sup>B</sup> THE EQUIPMENT DESIGNER SHALL SO DESIGN THE EQUIPMENT THAT THE FILAMENT VOLTAGE IS CENTERED AT THE SPECIFIED BOGEY VALUE.