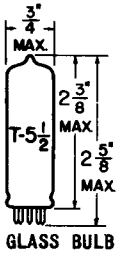
TUNG-SOL

BEAM POWER TUBE

MINIATURE TYPE

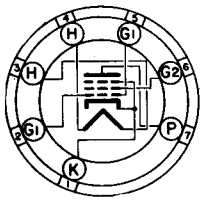


GLASS BULB
5-3

COATED UNIPOTENTIAL CATHODE

HEATER
34 VOLTS 0.10 AMP.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
SMALL-BUTTON MINIATURE
7 PIN BASE

7CV

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_1 AMPLIFIER

HEATER CURRENT[B]	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[A]	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_1 AMPLIFIER

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

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CHARACTERISTICS
(CONT'D.)

CLASS A_1 AMPLIFIER

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

[A] THE DC COMPONENT MUST NOT EXCEED 100 VOLTS.

[B] THE EQUIPMENT DESIGNER SHALL SO DESIGN THE EQUIPMENT THAT THE FILAMENT VOLTAGE IS CENTERED AT THE SPECIFIED BOGEY VALUE.