TUNG-SOL

PENTODE

MINIATURE TYPE

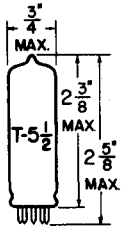
COATED UNIPOTENTIAL CATHODE

HEATER

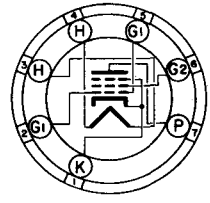
35 VOLTS 0.15 AMP.

AC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

SMALL-BUTTON MINIATURE
7 PIN BASE
7CV

THE 35EH5 IS A POWER PENTODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS AN AUDIO OUTPUT TUBE. THE 35EH5 IS SIMILAR TO THE 50EH5.

DIRECT INTERELECTRODE CAPACITANCES

WITHOUT EXTERNAL SHIELD

GRID #1 TO PLATE	.65	μμf
INPUT: G1 TO (H+K+G2+G3)	17.0	μμf
OUTPUT: P TO (H+K+G2+G3)	9.0	μμf

RATINGS

INTERPRETED ACCORDING TO DESIGN MAXIMUM SYSTEM

HEATER VOLTAGE	35	VOLTS
MAXIMUM PLATE VOLTAGE	150	VOLTS
MAXIMUM GRID #2 VOLTAGE	130	VOLTS
MAXIMUM PLATE DISSIPATION	5.0	WATTS
MAXIMUM GRID #2 INPUT	1.75	WATTS
MAXIMUM GRID CIRCUIT RESISTANCE (FIXED BIAS)	.1	MEGOHM
MAXIMUM GRID CIRCUIT RESISTANCE (CATHODE BIAS)	.5	MEGOHM
MAXIMUM POSITIVE GRID #1 VOLTAGE	0	VOLTS
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

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HEATER VOLTAGE	35	VOLTS
HEATER CURRENT	0.15	AMP.
PLATE VOLTAGE	110	VOLTS
GRID #2 VOLTAGE	115	VOLTS
CATHODE RESISTOR	62	OHMS
PEAK H.F. GRID #1 VOLTAGE	3	VOLTS
PLATE RESISTANCE (APPROX.)	14 000	OHMS
TRANSCONDUCTANCE	12 000	μMHOS
ZERO-SIGNAL PLATE CURRENT	32.0	MA.
MAX. SIGNAL PLATE CURRENT	32.0	MA.
ZERO-SIGNAL GRID #2 CURRENT	7.2	MA.
MAXIMUM SIGNAL GRID #2 CURRENT	12.0	MA.
LOAD RESISTANCE	3 000	OHMS
TOTAL DISTORTION	8.0	PERCENT
POWER OUTPUT	1.2	WATTS

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