

**TUNG-SOL**

**PENTODE**

MINIATURE TYPE

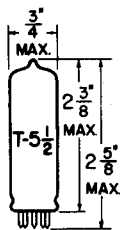
COATED UNIPOTENTIAL CATHODE

HEATER

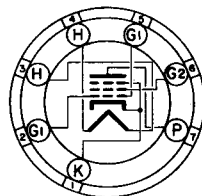
35 VOLTS 0.15 AMP.

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	$\mu$ f
INPUT: G1 TO (H+K+G2+G3)	17.0	$\mu$ f
OUTPUT: P TO (H+K+G2+G3)	9.0	$\mu$ f

**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	$\mu$ MHOS
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