TUNG-SOL  
PENTODE  
MINIATURE TYPE

COATED UNIPOTENTIAL CATHODE

HEATER
35 VOLTS  0.15 AMP. 
AC 
ANY MOUNTING POSITION

BOTTOM VIEW
SMALL-BUTTON MINIATURE 7 PIN BASE 7CV

GLASS BULB

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  μF
INPUT: G1 TO (H+K+G2+G3)  17.0  μF
OUTPUT: P TO (H+K+G2+G3)  9.0  μF

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  μMHO
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