TUNG-SOL

PENTODE
MINIATURE TYPE
COATED UNIPOTENTIAL CATHODE
HEATER
12.6 VOLTS .175 AMP.
AC OR DC
ANY MOUNTING POSITION

THE 12E26 IS A SHARP CUTOFF PENTODE WITH A UNIPOTENTIAL CATHODE IN THE 7 PIN MINIATURE CONSTRUCTION. IT IS INTENDED FOR USE AS AN RF OR IF AMPLIFIER WHERE THE HEATER, PLATE AND SCREEN GRID POTENTIALS ARE OBTAINED DIRECTLY FROM AN AUTOMOTIVE BATTERY.

DIRECT INTERELECTRODE CAPACITANCES
GRID TO PLATE (MAX.) 0.008 μF
INPUT: 7.8 μF
OUTPUT: 5.5 μF

RATINGS
INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM
HEATER VOLTAGE 12.6 VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE ±30 VOLTS
MAXIMUM PLATE VOLTAGE 30 VOLTS
MAXIMUM GRID #2 VOLTAGE 30 VOLTS
MAXIMUM CATHODE CURRENT 10 MA.
MAXIMUM GRID #1 CIRCUIT RESISTANCE 10 MEGOHMS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A1 AMPLIFIER
HEATER VOLTAGE 12.6 14.0 VOLTS
HEATER CURRENT .175 .175 AMP.
PLATE VOLTAGE 12.6 14.0 VOLTS
GRID #3 VOLTAGE B 0 0 VOLTS
GRID #2 VOLTAGE 12.6 14.0 VOLTS
GRID #1 VOLTAGE -0.7 -0.8 mA.
PLATE CURRENT 1.9 2.3 MA.
GRID #2 CURRENT 0.7 0.85 MA.
PLATE RESISTANCE 0.40 0.30 MEGOHMS
TRANSCONDUCTANCE C 2700 3000 μMHO
GRID #4 VOLTAGE FOR I B = 50 μMHO -2.6 -2.8 VOLTS
GRID #1 & GRID #3 VOLTAGE FOR G M = 50 μMHO -2.8 -3.0 VOLTS

A. THIS TUBE IS INTENDED TO BE USED IN AUTOMOTIVE SERVICE FROM A NOMINAL 12 VOLT BATTERY SOURCE. THE HEATER IS THEREFORE DESIGNED TO OPERATE OVER THE 10.0 TO 15.0 VOLTAGE RANGE ENCOUNTERED IN THIS SERVICE. THE MAXIMUM RATINGS OF THE TUBE PROVIDE FOR AN ADEQUATE SAFETY FACTOR SUCH THAT THE TUBE WILL WITHSTAND THE WIDE VARIATION IN SUPPLY VOLTAGES.
B. CONNECTED TO CATHODE AT SOCKET.
C. FROM GRID #1 TO PLATE.
D. AVERAGE BIAS DEVELOPED ACROSS A 2.2 MEGOHM GRID RESISTOR.