TUNG-SOL

TRIODE DETECTOR AMPLIFIER

COATED UNIPOTENTIAL CATHODE

HEATER
2.5 VOLTS 1.75 AMPERES
AC OR DC
ANY MOUNTING POSITION

BOTTOM VIEW
SMALL 5 PIN BASE

THE 27 IS A GENERAL PURPOSE TRIODE DESIGNED FOR SERVICE AS AN OSCILLATOR, DETECTOR OR AMPLIFIER.

RATINGS
INTERPRETED ACCORDING TO RCA STANDARD WB-210

HEATER VOLTAGE 2.5 VOLTS
HEATER CURRENT 1.75 AMP.
MAXIMUM PLATE VOLTAGE 275 VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE 90 VOLTS

DIRECT INTERELECTRODE CAPACITANCES
WITH NO EXTERNAL SHIELD

GRID TO PLATE 3.3 μF
INPUT 3.1 μF
OUTPUT 2.3 μF

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS
CLASS A AMPLIFIER

PLATE VOLTAGE 90 135 180 250 VOLTS
GRID VOLTAGE -6 -9 -13.5 -21 VOLTS
PLATE CURRENT 2.7 4.5 5.0 5.2 MA.
PLATE RESISTANCE 11 000 9 000 9 000 9 250 OHMS
TRANSCONDUCTANCE 820 1 000 1 000 975 μMhos
AMPLIFICATION FACTOR 9 9 9

DETECTOR

BIASED

GRID VOLTAGE (APPROX.) 250 275
PLATE CURRENT A ADJUSTED TO 0.2 MA. WITH NO INPUT SIGNAL
GRID RESISTORS MINIMUM MAXIMUM
GRID CONDENSER --- ---

GRID LEAK
45 VOLTS
RETURN TO CATHODE ---
1 ME GOHM
250 μF

A MAXIMUM DC PLATE CURRENT SHOULD BE LIMITED TO 5.0 MA.

INDICATES A CHANGE OR ADDITION.