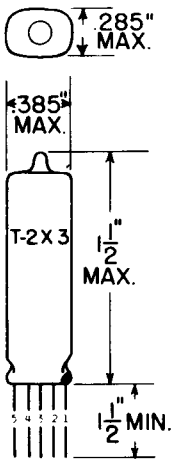
TUNG-SOL

PENTODE

SUBMINIATURE TYPE



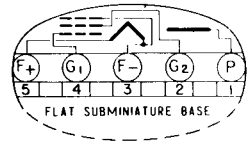
GLASS BULB
RED DOT IS ADJACENT TO LEAD 1

BULB IS ENTIRELY COATED WITH A METALLIC SHIELD CONNECTED TO LEAD 3.

COATED FILAMENT

1.25 VOLTS 0.04 AMP.
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW
0.016" TINNED FLEXIBLE LEADS
0.05" SPACING CENTER-TO-CENTER

GRID #3 IS COMPRISED OF TWO SEPARATE DEFLECTOR PLATES, ONE OF WHICH IS CONNECTED TO LEAD 3 AND THE OTHER TO LEAD 5.

THE 1AH4 IS A FILAMENT TYPE, FULLY SHIELDED, SUBMINIATURE PENTODE DESIGNED FOR SERVICE IN RF APPLICATIONS REQUIRING ECONOMY OF SPACE, WEIGHT, AND BATTERY DRAIN. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED OR WELDED TO CIRCUIT COMPONENTS WITHOUT THE USE OF SOCKETS. STANDARD SUBMINIATURE SOCKETS MAY BE USED BY CUTTING THE LEADS TO 0.20" LENGTH.

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE (MAX.)	0.01	μμf
INPUT	3.5	μμf
OUTPUT	4.5	μμf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

DESIGN CENTER VALUES

FILAMENT VOLTAGE	1.25	VOLTS
PLATE VOLTAGE	90	VOLTS
GRID #2 VOLTAGE	90	VOLTS
TOTAL CATHODE CURRENT	2.0	MA.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

FILAMENT VOLTAGE	1.25	1.25	VOLTS
FILAMENT CURRENT	0.04	0.04	AMP.
PLATE VOLTAGE	45	67.5	VOLTS
GRID #2 VOLTAGE	45	---	VOLTS
GRID #2 SUPPLY VOLTAGE	---	67.5	VOLTS
GRID #2 RESISTOR	---	0.1	MEGOHM
GRID #1 RESISTOR[A]	0	0	VOLTS
PLATE RESISTANCE	1.5	2.0	MEGOHMS
TRANSCONDUCTANCE	750	750	µMHOS
PLATE CURRENT	0.75	0.75	MA.
GRID #2 CURRENT	0.2	0.2	MA.
GRID #1 VOLTAGE (APPROX.) FOR TRANSCONDUCTANCE = 10 µMHOS	-3	-3.5	VOLTS

[A] GRID RESISTOR = 5 MEGOHMS.