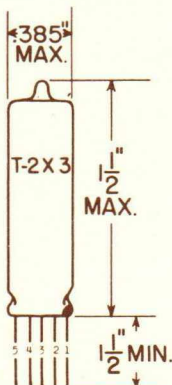
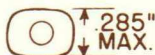


TUNG-SOL

PENTODE

SUBMINIATURE TYPE



GLASS BULB
RED DOT IS ADJACENT
TO LEAD 1

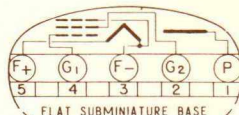
BULB IS ENTIRELY COATED
WITH A METALLIC SHIELD
CONNECTED TO LEAD 3.

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 1A4H4 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	$\mu\mu\text{f}$
INPUT	3.5	$\mu\mu\text{f}$
OUTPUT	4.5	$\mu\mu\text{f}$

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 A₁ 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.