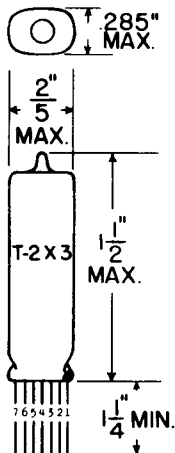


TUNG-SOL

TRIODE PENTODE

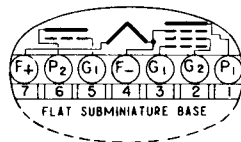
SUBMINIATURE TYPE



GLASS BULB
RED DOT IS ADJACENT TO LEAD 1

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

THE IV6 IS A FILAMENT TYPE COMBINED TRIODE-PENTODE DESIGNED FOR SERVICE AS A CONVERTER IN RADIO RECEIVERS AND OTHER PORTABLE EQUIPMENT WHERE SMALL SIZE, LIGHT WEIGHT, AND LOW BATTERY DRAIN ARE IMPORTANT. THE FLEXIBLE TERMINAL LEADS MAY BE SOLDERED OR WELDED DIRECTLY 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

WITH CLOSE FITTING SHIELD CONNECTED TO FILAMENT, NEGATIVE

TRIODE GRID #1 TO PENTODE GRID #1	0.75	μf
PENTODE GRID #1 PENTODE PLATE	0.05	μf
PENTODE GRID #1 TO TRIODE PLATE	0.12	μf
TRIODE GRID #1 TO TRIODE PLATE	1.2	μf
PENTODE GRID #1 TO ALL	3.2	μf
TRIODE GRID #1 TO ALL	4.0	μf
TRIODE PLATE TO ALL	1.9	μf
PENTODE PLATE TO ALL	2.4	μf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

DESIGN CENTER VALUES

FILAMENT VOLTAGE	1.25	VOLTS
PLATE VOLTAGE (PENTODE)	90	VOLTS
GRID #2 VOLTAGE	90	VOLTS
PLATE VOLTAGE (TRIODE)	90	VOLTS
GRID #1 VOLTAGE (PENTODE)	NEVER POSITIVE	
TOTAL CATHODE CURRENT	1.5	MA.

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE.

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

FREQUENCY CONVERTER

FILAMENT VOLTAGE	1.25	VOLTS
FILAMENT CURRENT	0.04	AMP.
PLATE VOLTAGE (PENTODE)	45	VOLTS
GRID #2 VOLTAGE	45	VOLTS
PLATE VOLTAGE (TRIODE)	45	VOLTS
GRID #1 VOLTAGE (PENTODE) ^B	0	VOLTS
GRID #1 RESISTOR (OSCILLATOR) ^C	1	MEGOHM
PLATE CURRENT (PENTODE)	400	μAMP.
GRID #2 CURRENT (PENTODE)	150	μAMP.
CONVERSION PLATE RESISTANCE (APPROX.)	1.0	MEGOHM
PLATE CURRENT (TRIODE) APPROX.	400	μAMP.
GRID #1 CURRENT (OSCILLATOR)	12	μAMP.
CONVERSION TRANSCONDUCTANCE	200	μMHOS
GRID #1 VOLTAGE (PENTODE) (APPROX.) FOR CONVERSION TRANSCONDUCTANCE = 5 μMHOS.	3.5	VOLTS

^B GRID #1 RESISTOR = 5 MEGOHMS.

^C GRID COUPLING CONDENSER = 10 μMFD.