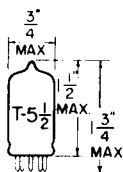


TUNG-SOL

TRIODE

MINIATURE TYPE



GLASS BULB

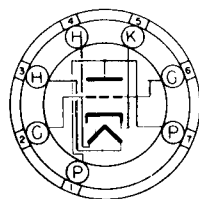
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.225 AMP.

AC OR DC

ANY MOUNTING POSITION


 BOTTOM VIEW
 MINIATURE BUTTON
 7 PIN BASE

70K

THE 6AN4 IS A HIGH-MU TRIODE USING THE 7 PIN MINIATURE CONSTRUCTION. IT IS DESIGNED FOR USE AS A GROUNDED-GRID AMPLIFIER OR MIXER IN UHF TELEVISION APPLICATIONS.

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE: (G TO P)	1.7	$\mu\mu\text{f}$
INPUT: G TO (H+K)	2.8	$\mu\mu\text{f}$
OUTPUT: P TO (H+K)	0.28	$\mu\mu\text{f}$
HEATER TO CATHODE: (H TO K)	3.4	$\mu\mu\text{f}$
GROUNDED GRID		
INPUT	6.0	$\mu\mu\text{f}$
OUTPUT	1.8	$\mu\mu\text{f}$

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

DESIGN CENTER VALUES

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE:		
HEATER POSITIVE WITH RESPECT TO CATHODE		
DC	100	VOLTS
TOTAL DC AND PEAK	200	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE		
TOTAL DC AND PEAK	200	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PLATE DISSIPATION	4	WATTS
MAXIMUM CATHODE CURRENT	30	MA.
MAXIMUM GRID CIRCUIT RESISTANCE:		
FIXED BIAS OPERATION	0.1	MEGOHM
CATHODE BIAS OPERATION	0.5	MEGOHM

CONTINUED ON FOLLOWING PAGE

→ INDICATES A CHANGE.

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.225	AMP.
PLATE VOLTAGE	200	VOLTS
CATHODE BIAS RESISTOR	100	OHMS
PLATE CURRENT	13	MA.
TRANSCONDUCTANCE	10 000	μMHOS
AMPLIFICATION FACTOR	70	
GRID VOLTAGE FOR 20 μA. PLATE CURRENT	-7	VOLTS

MIXER SERVICE

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.225	AMP.
PLATE VOLTAGE	125	VOLTS
CATHODE BIAS RESISTOR	270	OHMS
PLATE CURRENT	7	MA.
OSCILLATOR INJECTOR VOLTAGE (RMS)	1.4	VOLTS
CONVERSION CONDUCTANCE	2 900	μMHOS

