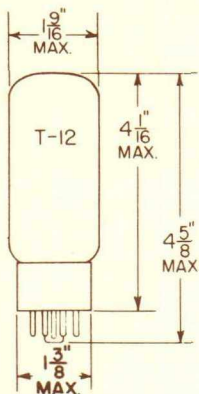


TUNG-SOL

TWIN TRIODE



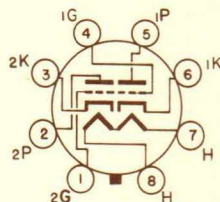
SHORT MEDIUM-SHELL
8 PIN OCTAL 88-110
GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 2.5 AMP.

AC OR DC

ANY MOUNTING POSITION



BASING DIAGRAM

JEDEC 8BD

BOTTOM VIEW

THE 6AS7GA IS A LOW-MU TWIN TRIODE DESIGNED PRIMARILY FOR SERVICE AS A SERIES REGULATOR TUBE IN D-C POWER SUPPLIES. EXCEPT FOR THE USE OF A T-12 ENVELOPE, THE 6AS7GA IS IDENTICAL TO THE 6AS7G.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

WITH NO EXTERNAL SHIELD

GRID TO PLATE (EACH SECTION)	7.5	μ f
INPUT (EACH SECTION)	6.5	μ f
OUTPUT (EACH SECTION)	2.2	μ f
HEATER TO CATHODE (EACH SECTION)	7.0	μ f
GRID TO GRID	0.5	μ f
PLATE TO PLATE	1.9	μ f

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM
DC AMPLIFIER SERVICE-EACH SECTION

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM PLATE VOLTAGE	250	VOLTS
MAXIMUM PLATE DISSIPATION	13	WATTS
MAXIMUM PLATE CURRENT	125	MA.
MAXIMUM HEATER-CATHODE VOLTAGE:		
HEATER POSITIVE WITH RESPECT TO CATHODE	300	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE	300	VOLTS
MAXIMUM GRID-CIRCUIT RESISTANCE:		
WITH CATHODE-BIAS ^A	1.0	MEG OHM
BOOSTER SCANNING SERVICE-EACH SECTION		
MAXIMUM PEAK INVERSE PLATE VOLTAGE	1700	VOLTS
MAXIMUM PLATE DISSIPATION	13	WATTS
MAXIMUM PLATE CURRENT	125	MA.

^A OPERATION WITH FIXED BIAS IS NOT RECOMMENDED.

→ INDICATES A CHANGE.

CONTINUED ON FOLLOWING PAGE

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

RATINGS - CONT'D.

INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

BOOSTER SCANNING SERVICE-EACH SECTION^B

MAXIMUM HEATER-CATHODE VOLTAGE:		
HEATER POSITIVE WITH RESPECT TO CATHODE	300	VOLTS
HEATER NEGATIVE WITH RESPECT TO CATHODE	300	VOLTS
MAXIMUM GRID-CIRCUIT RESISTANCE:		
WITH CATHODE-BIAS ^C	1.0	MEGOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

EACH SECTION

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	2.5	AMP.
PLATE VOLTAGE	135	VOLTS
CATHODE-BIAS RESISTOR	250	OHMS
AMPLIFICATION FACTOR	2.0	
PLATE RESISTANCE (APPROX.)	280	OHMS
TRANSCONDUCTANCE	7000	μMHOS
PLATE CURRENT	125	MA.

^BFOR OPERATION IN A 525-LINE, 30-FRAME TELEVISION SYSTEM AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE CONCERNING TELEVISION BROADCASTING STATIONS: FEDERAL COMMUNICATIONS COMMISSION." THE DUTY CYCLE OF THE VOLTAGE PULSE MUST NOT EXCEED 15% OF ONE SCANNING CYCLE.

^COPERATION WITH FIXED BIAS IS NOT RECOMMENDED.

