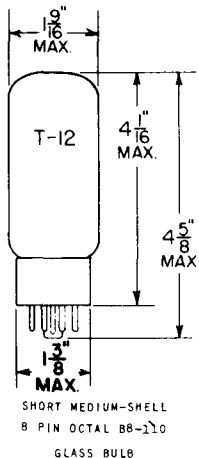


TUNG-SOL

TWIN TRIODE



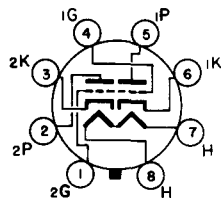
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 2.5 AMP.

AC OR DC

ANY MOUNTING POSITION



BASING DIAGRAM

JEDEC 88D

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

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	MEGOHM

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 325-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.

