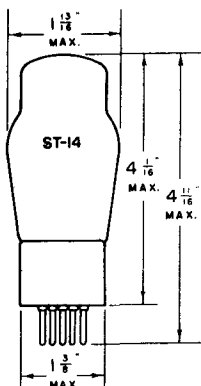


TUNG-SOL



TWIN TRIODE

POWER AMPLIFIER

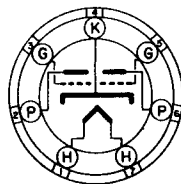
UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.8 AMPERE
AC OR DC

GLASS BULB

MEDIUM 7 PIN BASE



7B

BOTTOM VIEW

THE TUNG-SOL 6A6 IS A TWIN TRIODE DESIGNED FOR SERVICE AS A CLASS B POWER AMPLIFIER AND AS A CLASS A₁ DRIVER. WITH THE EXCEPTION OF HEATER RATINGS, ITS RATINGS AND CHARACTERISTICS ARE IDENTICAL TO THOSE OF TYPES 6N7, 6N7G, 6N7GT AND 53.

RATINGS

CLASS A₁ AMPLIFIER

MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PEAK PLATE CURRENT PER PLATE	125	MA.
MAXIMUM AVERAGE DISSIPATION PER PLATE	1.0	WATT

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER - TRIODES CONNECTED IN PARALLEL

PLATE VOLTAGE	250	294	VOLTS
CONTROL GRID VOLTAGE	-5	-6	VOLTS
PLATE CURRENT	6	7	MA.
PLATE RESISTANCE	11 300	11 000	OHMS
TRANSCONDUCTANCE	3100	3200	μMHOS
AMPLIFICATION FACTOR	35	35	

RATINGS

CLASS B POWER AMPLIFIER

MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PEAK PLATE CURRENT	125	MA.
MAXIMUM AVERAGE DISSIPATION PER PLATE	5.5	WATTS

CONTINUED NEXT PAGE

TUNG-SOL

OPERATING CONDITIONS AND CHARACTERISTICS^A

CLASS B AMPLIFIER	IDEAL	TYPICAL	
ZERO SIGNAL PLATE VOLTAGE	300	300	VOLTS
DC GRID VOLTAGE	0	0	VOLT
PEAK AF SIGNAL VOLTAGE ^{PER GRID(B)}	29	41 ^C	VOLTS
MAXIMUM SIGNAL PEAK GRID CURRENT ^{PER GRID}	20	22	MA.
ZERO SIGNAL PLATE CURRENT ^{PER PLATE}	17.5	17.5	MA.
MAXIMUM SIGNAL DC PLATE CURRENT ^{PER PLATE}	35	35	MA.
GRID IMPEDANCE AT 400 CYCLES	0	516 ^D	OHMS
PLATE SUPPLY IMPEDANCE	0	1000	OHMS
EFFECTIVE LOAD RESISTANCE ^{PLATE TO PLATE}	8000	8000	OHMS
TOTAL HARMONIC DISTORTION	4	8	PER CENT
THIRD HARMONIC DISTORTION	3.5	7.5	PER CENT
FIFTH HARMONIC DISTORTION	1.5	2.5	PER CENT
POWER OUTPUT	10	10	WATTS

^A UNLESS OTHERWISE SPECIFIED, VALUES ARE FOR BOTH UNITS

^B FOR POWER OUTPUT SHOWN.

^C INCLUDES PEAK GRID IMPEDANCE VOLTAGE DROP.

^D THE 516 OHMS IMPEDANCE CONSISTS OF A 50 MH. INDUCTANCE AND A 500 OHM RESISTANCE.

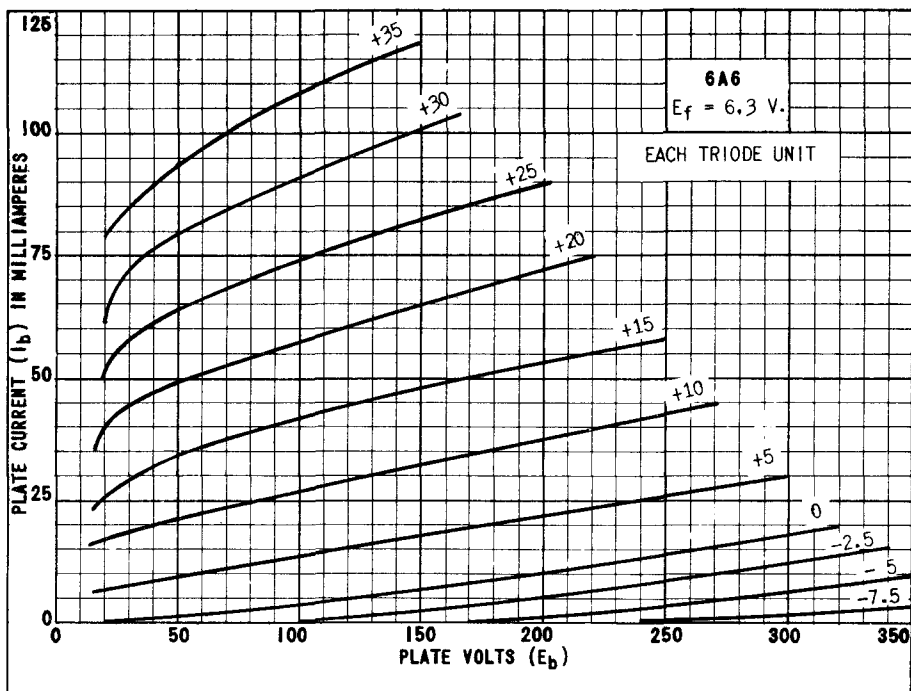


PLATE
1140-1