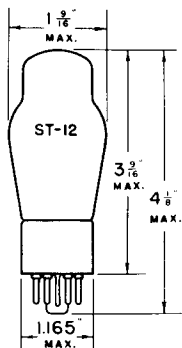


TUNG-SOL



TWIN TRIODE POWER AMPLIFIER

UNIPOTENTIAL CATHODE

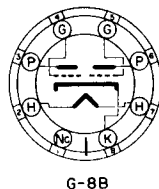
HEATER

6.3 VOLTS 0.6 AMPERE

AC OR DC

GLASS BULB

SMALL 8 PIN OCTAL BASE



THE TUNG-SOL 6Y7G IS A TWIN TRIODE DESIGNED PRIMARILY FOR SERVICE AS A CLASS B POWER AMPLIFIER, VOLTAGE AMPLIFIER OR PHASE INVERTER. WITH THE EXCEPTION OF CAPACITANCES ITS RATINGS AND CHARACTERISTICS ARE IDENTICAL WITH THOSE OF THE 79.

OPERATING CONDITIONS AND CHARACTERISTICS

PLATE VOLTAGE ^{MAX.}	250	VOLTS
PEAK PLATE CURRENT PER PLATE ^{MAX.}	90	MA.
AVERAGE PLATE DISSIPATION ^{MAX.}	11.5	WATTS

CLASS B₂ AMPLIFIER

PLATE VOLTAGE	180	250 ^{MAX.}	VOLTS
GRID BIAS	0	0	VOLTS
ZERO-SIGNAL PLATE CURRENT PER PLATE	3.8	5.3	MA.
EFFECTIVE LOAD RESISTANCE ^{PLATE TO PLATE}	7000	14000	OHMS
AVERAGE POWER INPUT ^{GRID TO GRID}	380	380	MILLIWATTS
POWER OUTPUT ^{APPROX.}	5.5	8.0	WATTS

RESISTANCE COUPLED AMPLIFIER AND PHASE INVERTER

PLATE SUPPLY VOLTAGE	100	100	250	250	VOLTS
PLATE LOAD RESISTOR	0.1	0.5	0.1	0.5	MEGOHM
CATHODE RESISTOR	2000	6000	1200	3000	OHMS
VOLTAGE GAIN	30	35	35	43	

DIRECT INTERELECTRODE CAPACITANCES⁵

	TRIODE 2	TRIODE 1	
GRID TO CATHODE	3.6	3.6	μf
PLATE TO CATHODE	4.6	4.6	μf
GRID TO PLATE	2.6	2.6	μf
GRID 1 TO GRID 2		0.3	μf
PLATE 1 TO PLATE 2		1.7	μf
GRID 1 TO PLATE 2		0.12	μf
GRID 2 TO PLATE 1		0.12	μf

TRIODE 2 IS TRIODE HAVING GRID BROUGHT OUT TO PIN #4.

TRIODE 1 IS TRIODE HAVING GRID BROUGHT OUT TO PIN #5.

⁵ WITH SHIELD

PLATE
348-2

MARCH 6
1939