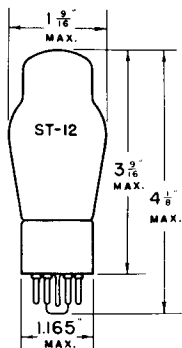


TUNG-SOL



TWIN TRIODE POWER AMPLIFIER

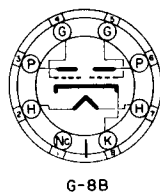
UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.6 AMPERE

AC OR DC

GLASS BULB



G-8B

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	14 000	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	μuf
PLATE TO CATHODE	4.6	4.6	μuf
GRID TO PLATE	2.6	2.6	μuf
GRID 1 TO GRID 2	0.3		μuf
PLATE 1 TO PLATE 2	1.7		μuf
GRID 1 TO PLATE 2	0.12		μuf
GRID 2 TO PLATE 1	0.12		μuf

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

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

⁵ WITH SHIELDPLATE
348-2MARCH 6
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