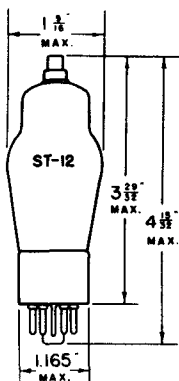


TUNG-SOL



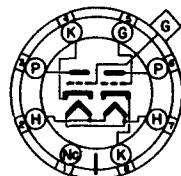
TWIN TRIODE AMPLIFIER

UNIPOTENTIAL CATHODES

HEATER
6.3 VOLTS 0.3 AMPERE
AC OR DC

GLASS BULB

SMALL 8 PIN OCTAL BASE



G-8G

BOTTOM VIEW

THE TUNG-SOL 6C8G IS A GENERAL PURPOSE TWIN TRIODE HAVING TWO INDEPENDENT UNITS, WITH ALL ELECTRODES BROUGHT OUT TO SEPARATE TERMINALS.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER - EACH TRIODE

PLATE VOLTAGE	250 MAX.	VOLTS
GRID VOLTAGE	-4.5	VOLTS
PLATE CURRENT	3.2	MA.
PLATE RESISTANCE	22 500	OHMS
TRANSCONDUCTANCE	1600	μMHOS
AMPLIFICATION FACTOR	36	

RESISTANCE COUPLED AMPLIFIER AND PHASE INVERTER

VALUES ARE FOR SINGLE TRIODE SECTION

PLATE SUPPLY VOLTAGE	100	100	250	250	VOLTS
PLATE LOAD RESISTOR	0.1	0.5	0.1	0.5	MEGOHM
CATHODE RESISTOR	3500	12 000	3000	10 000	OHMS
VOLTAGE GAIN	20	22	22	26	

DIRECT INTERELECTRODE CAPACITANCES

	TRIODE B	TRIODE T	
GRID TO CATHODE	3.4	2.5	μμf
PLATE TO CATHODE	3.5	3.9	μμf
GRID TO CATHODE	2.5	2.4	μμf
GRID TO GRID		0.1	μμf
PLATE TO PLATE		1.5	μμf

TRIODE B - TRIODE HAVING GRID BROUGHT OUT TO BASE PIN.

TRIODE T - TRIODE HAVING GRID BROUGHT OUT TO TOP CAP.

NOTE: THIS TUBE NOT RECOMMENDED FOR OPERATION IN SERIES WITH OTHER 0.3 AMPERE TUBES AS THE SURGE CURRENT MAY CAUSE HEATER BURNOUTS.

