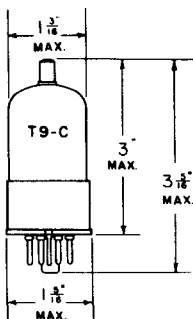


TUNG-SOL



TRIODE - PENTODE AMPLIFIER

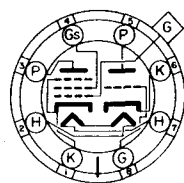
UNIPOTENTIAL CATHODES

HEATER

12.6 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB



BOTTOM VIEW

SMALL WAFER 8 PIN OCTAL BASE WITH METAL SHELL

THE TUNG-SOL 12B8GT COMBINES A REMOTE CUT-OFF PENTODE AND AN INDEPENDENT HIGH-MU TRIODE IN A SINGLE BULB. IT IS DESIGNED FOR SERVICE IN AC - DC RECEIVERS.

OPERATING CONDITIONS AND CHARACTERISTICS

PENTODE SECTION - CLASS A₁ AMPLIFIER

PLATE VOLTAGE	90	VOLTS
SCREEN VOLTAGE	90	VOLTS
CONTROL GRID VOLTAGE	-3	VOLTS
PLATE CURRENT	7.0	MA.
SCREEN CURRENT	2.0	MA.
PLATE RESISTANCE	0.2	MEGOHM
TRANSCONDUCTANCE	1800	μMHOS
AMPLIFICATION FACTOR	360	
CONTROL GRID VOLTAGE FOR TRANSCONDUCTANCE = 2 μMHOS	-42.5	VOLTS

TRIODE SECTION

PLATE VOLTAGE	90	VOLTS
GRID VOLTAGE	0	VOLTS
PLATE CURRENT	2.8	MA.
PLATE RESISTANCE	37 000	OHMS
TRANSCONDUCTANCE	2400	μMHOS
AMPLIFICATION FACTOR	90	
GRID VOLTAGE APPROX. FOR PLATE CURRENT CUT-OFF	-2.5	VOLTS

DIRECT INTERELECTRODE CAPACITANCES

	PENTODE	TRIODE	
CONTROL GRID TO CATHODE	5.0	5.0	μμf
PLATE TO CATHODE	9.5	6.5	μμf
CONTROL GRID TO PLATE	.015	2.4	μμf
PENTODE CONTROL GRID TO TRIODE GRID		.002	μμf
PENTODE CONTROL GRID TO TRIODE PLATE		.003	μμf
PENTODE PLATE TO TRIODE PLATE		.08	μμf