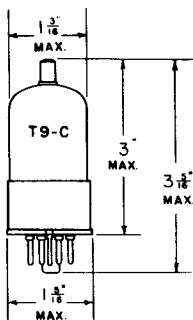


TUNG-SOL



TRIODE - PENTODE AMPLIFIER

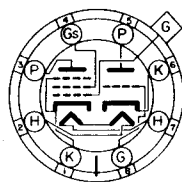
UNI-POTENTIAL CATHODES

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- μ 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	μ MHOS
AMPLIFICATION FACTOR	360	
CONTROL GRID VOLTAGE FOR TRANSCONDUCTANCE = 2 μ MHOS	-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	μ MHOS
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	μ f
PLATE TO CATHODE	9.5	6.5	μ f
CONTROL GRID TO PLATE	.015	2.4	μ f
PENTODE CONTROL GRID TO TRIODE GRID		.002	μ f
PENTODE CONTROL GRID TO TRIODE PLATE		.003	μ f
PENTODE PLATE TO TRIODE PLATE		.08	μ f