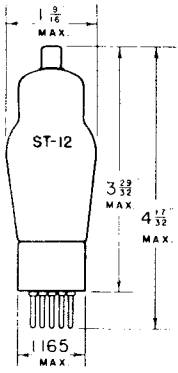
TUNG-SOL



REMOTE CUT - OFF

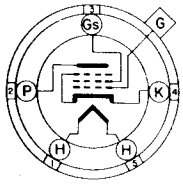
PENTODE AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.3 AMPERE
AC OR DC

GLASS BULB

SMALL 5 PIN BASE



5F

BOTTOM VIEW

THE TUNG-SOL 39/44 IS DESIGNED FOR USE AS AN RF AMPLIFIER OR MIXER IN AC AND STORAGE BATTERY OPERATED SUPERHETERODYNE RECEIVERS.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A AMPLIFIER

PLATE VOLTAGE	90	180	250 MAX.	VOLTS
SCREEN VOLTAGE MAX.	90	90	90	VOLTS
CONTROL GRID VOLTAGE MIN. [A]	-3	-3	-3	VOLTS
PLATE CURRENT	5.6	5.8	5.8	MA.
SCREEN CURRENT	1.6	1.4	1.4	MA.
PLATE RESISTANCE	0.375	0.75	1.0	MEGOHM
TRANSCONDUCTANCE	960	1000	1050	μMHOS
AMPLIFICATION FACTOR	360	750	1050	
CONTROL GRID VOLTAGE FOR TRANSCONDUCTANCE = 2 μMHOS	-42.5	-42.5	-42.5	VOLTS

[A] THE DC RESISTANCE IN THE GRID CIRCUIT SHOULD NOT EXCEED 3 MEGOHMS.

AS MIXER IN SUPERHETERODYNE CIRCUIT

PLATE VOLTAGE	90	180	250 MAX.	VOLTS
SCREEN VOLTAGE MAX.	90	90	90	VOLTS
CONTROL GRID VOLTAGE	-7	-7	-7	VOLTS

THIS GRID BIAS IS MINIMUM FOR AN OSCILLATOR PEAK VOLTAGE OF 6 VOLTS.

DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO CATHODE	3.5	μμf
PLATE TO CATHODE	10	μμf
CONTROL GRID TO PLATE [S]	.007 MAX.	μμf

[S] WITH SHIELD

PLATE 471-1

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