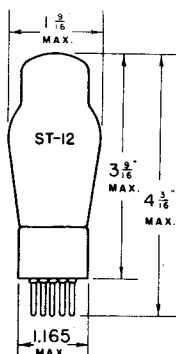


## TUNG-SOL



## TRIODE AMPLIFIER

UNIPOTENTIAL CATHODE

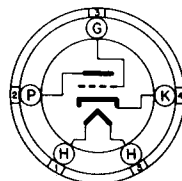
HEATER

6.3 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB

SMALL 5 PIN BASE



5A

BOTTOM VIEW

THE TUNG-SOL 37 IS A GENERAL PURPOSE TRIODE DESIGNED FOR SERVICE AS AN OSCILLATOR, DETECTOR OR AMPLIFIER.

## OPERATING CONDITIONS AND CHARACTERISTICS

## CLASS A AMPLIFIER

PLATE VOLTAGE	90	135	180	250 <sup>MAX.</sup>	VOLTS
GRID VOLTAGE	-6	-9	-13.5	-18	VOLTS
PLATE CURRENT	2.5	4.1	4.3	7.5	MA.
PLATE RESISTANCE	11 500	10 000	10 200	8400	OHMS
TRANSCONDUCTANCE	800	925	900	1100	μMHOS
AMPLIFICATION FACTOR	9.2	9.2	9.2	9.2	

## DETECTOR

	BIASED				GRID LEAK	
PLATE VOLTAGE	90	135	180	250 <sup>MAX.</sup>	45	VOLTS
GRID VOLTAGE	-10	-15	-20	-28	RETURN TO CATHODE VOLTS	
PLATE CURRENT	ADJUST TO 0.2 MA. WITH NO INPUT SIGNAL					
GRID LEAK	-	-	-	-	1 TO 5	MEGOHMS
GRID CONDENSER	-	-	-	-	250	μμf

## RESISTANCE COUPLED AMPLIFIER

PLATE SUPPLY VOLTAGE	250	VOLTS
PLATE RESISTOR	0.1	MEGOHM
CATHODE RESISTOR	11 000	OHMS
VOLTAGE GAIN	7	

## DIRECT INTERELECTRODE CAPACITANCES

GRID TO CATHODE	3.5	μμf
PLATE TO CATHODE	2.9	μμf
GRID TO PLATE	2.0	μμf

PLATE  
473-1