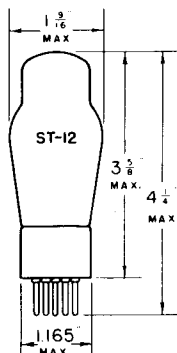


## TUNG-SOL



## TRIODE AMPLIFIER

UNIPOTENTIAL CATHODE

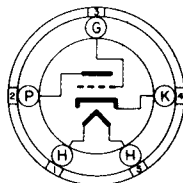
HEATER

6.3 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB

SMALL 5 PIN BASE



5A

THE TUNG-SOL 76 IS A GENERAL PURPOSE TRIODE DESIGNED FOR SERVICE AS AN OSCILLATOR, DETECTOR OR AMPLIFIER. EXCEPT FOR HEATER VOLTAGE AND CURRENT ITS CHARACTERISTICS ARE IDENTICAL WITH THOSE OF THE 56.

## OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

PLATE VOLTAGE	100	250 <sup>MAX.</sup>	VOLTS
GRID VOLTAGE	-5	-13.5	VOLTS
GRID CIRCUIT RESISTANCE <sup>MAX.</sup>	1	1	MEGOHM
PLATE CURRENT	2.5	5	MA.
PLATE RESISTANCE	12000	9500	OHMS
TRANSCONDUCTANCE	1150	1450	μMHOS
AMPLIFICATION FACTOR	13.8	13.8	

## DETECTOR

## BIASED

## GRID LEAK

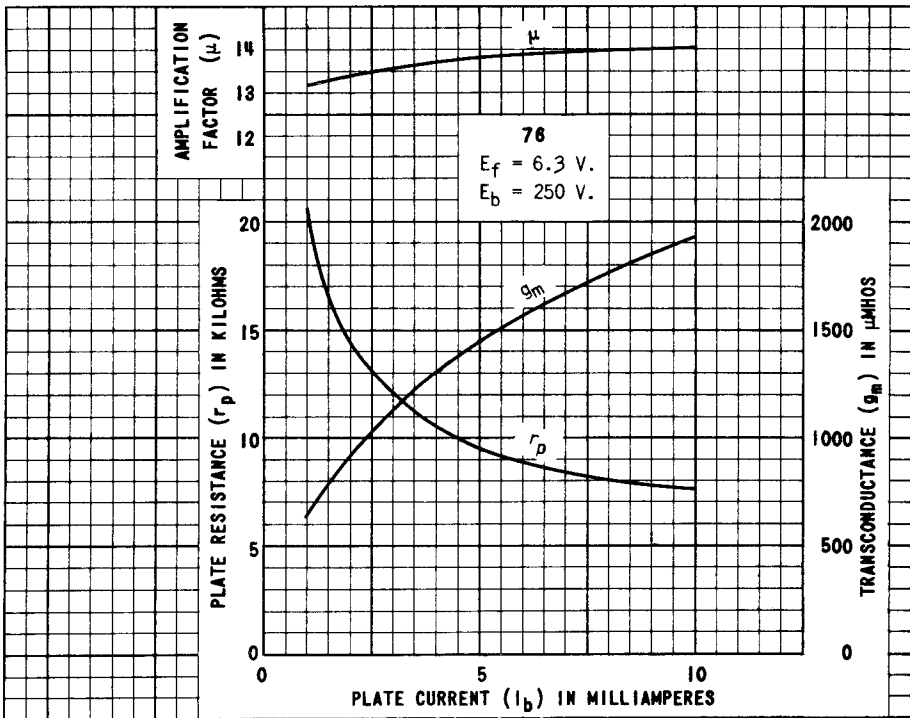
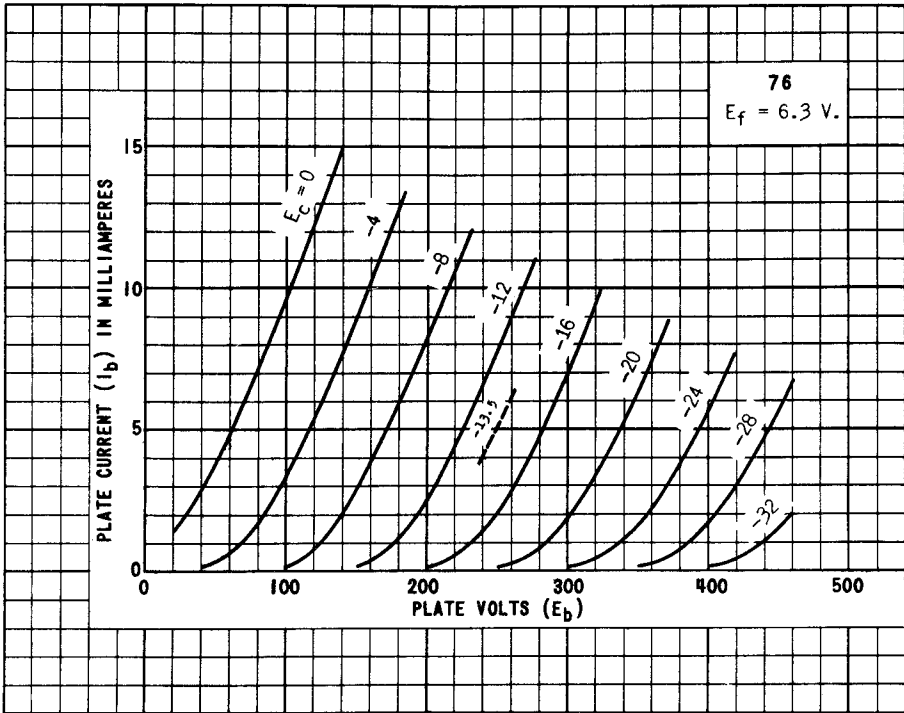
PLATE VOLTAGE	100	250	45	VOLTS
GRID VOLTAGE	-8	-20	RETURN TO CATHODE	VOLTS
PLATE CURRENT	ADJUST TO 0.2 MA. WITH NO INPUT SIGNAL			
GRID LEAK	1 TO 5			MEGOHMS
GRID CONDENSER	250			μμf

## RESISTANCE COUPLED AMPLIFIER

PLATE SUPPLY VOLTAGE	100	100	250	250	VOLTS
PLATE LOAD RESISTOR	0.05	0.25	0.05	0.25	MEGOHM
CATHODE RESISTOR	3800	15000	3800	15000	OHMS
VOLTAGE GAIN	8.5	10	9	10	

## DIRECT INTERELECTRODE CAPACITANCES

GRID TO CATHODE	3.6	μμf
PLATE TO CATHODE	2.6	μμf
GRID TO PLATE	2.8	μμf



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PLATE 332-1

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