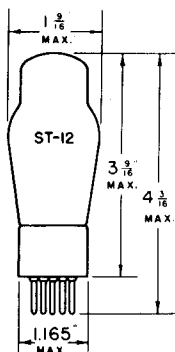


TUNG-SOL



TRIODE AMPLIFIER

UNIPOTENTIAL CATHODE

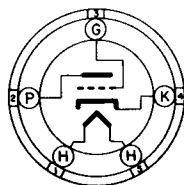
HEATER

2.5 VOLTS 1.0 AMPERE

AC OR DC

GLASS BULB

SMALL 5 PIN BASE



BOTTOM VIEW

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

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	250 ^{MAX.}	VOLTS
GRID VOLTAGE	-5	-13.5	VOLTS
GRID CIRCUIT RESISTANCE ^{MAX.}	1	1	MEGOHM
PLATE CURRENT	2.5	5	MA.
PLATE RESISTANCE	12 000	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	μf

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	15 000	3800	15 000	OHMS
VOLTAGE GAIN	8.5	10	9	10	

DIRECT INTERELECTRODE CAPACITANCES

GRID TO CATHODE	3.2	μf
PLATE TO CATHODE	2.2	μf
GRID TO PLATE	3.2	μf