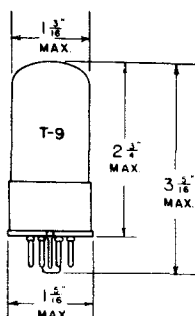


TUNG-SOL



TRIODE AMPLIFIER

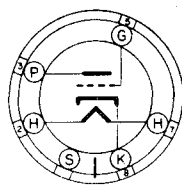
UNIPOTENTIAL CATHODE

HEATER

12.6 VOLTS 0.15 AMPERE

AC OR DC

GLASS BULB



6 Q

BOTTOM VIEW

SMALL WAFER 6 PIN OCTAL BASE WITH METAL SHELL

THE TUNG-SOL 12E5GT IS A GENERAL PURPOSE TRIODE DESIGNED FOR SERVICE AS AN OSCILLATOR, DETECTOR OR AMPLIFIER. WITH THE EXCEPTION OF HEATER RATINGS, ITS ELECTRICAL CHARACTERISTICS ARE IDENTICAL WITH THOSE OF THE 76 AND THE 6P5GT.

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	5.0	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		
PLATE CURRENT	ADJUST TO 0.2 MA. WITH NO INPUT SIGNAL		RETURN TO CATHODE	VOLTS
GRID LEAK	-	-	1 TO 5	MEGOHMS
GRID CONDENSER	-	-	250	μuf

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	3.6	μuf
PLATE TO CATHODE	2.6	μuf
GRID TO PLATE	2.8	μuf

12E5 GT

