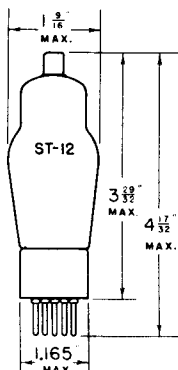


TUNG-SOL



TETRODE AMPLIFIER

UNIPOTENTIAL CATHODE

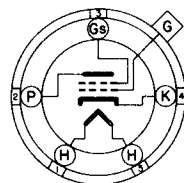
HEATER

6.3 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB

SMALL 5 PIN BASE



5 E

BOTTOM VIEW

THE TUNG-SOL 36 IS DESIGNED FOR USE AS AN RF AMPLIFIER OR DETECTOR.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A AMPLIFIER

PLATE VOLTAGE	100	135	180	250 ^{MAX.}	VOLTS
SCREEN VOLTAGE	55	67.5	90 ^{MAX.}	90 ^{MAX.}	VOLTS
CONTROL GRID VOLTAGE	-1.5	-1.5	-3	-3	VOLTS
PLATE CURRENT	1.8	2.8	3.1	3.2	MA.
SCREEN CURRENT	—	—	—	1.7 ^{MAX.}	MA.
PLATE RESISTANCE	0.55	0.475	0.50	0.55	MEGOHM
TRANSCONDUCTANCE	850	1000	1050	1080	μMHOS
AMPLIFICATION FACTOR	470	475	525	595	

DETECTOR

	BIASED			GRID LEAK	
PLATE SUPPLY VOLTAGE	100	180	250 ^{MAX.}	135	VOLTS
SCREEN VOLTAGE	55	67.5	90 ^{MAX.}	45 ^{MAX.}	VOLTS
CONTROL GRID VOLTAGE	-5 ^A	-6 ^A	-8 ^A	RETURN TO CATHODE	VOLTS
PLATE RESISTOR	0.25 ^B	0.25 ^B	0.25 ^B	0.25 ^B	MEGOHM
PLATE CURRENT	ADJUSTED TO 0.1 MA. WITH NO INPUT SIGNAL				
GRID LEAK	—	—	—	2 TO 5	MEGOHMS
GRID CONDENSER	—	—	—	250	μμf

^A APPROXIMATE^B OR EQUIVALENT IMPEDANCE

DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO CATHODE	3.7	μμf
PLATE TO CATHODE	9.2	μμf
CONTROL GRID TO PLATE ^S	0.007 ^{MAX.}	μμf

^S WITH SHIELD