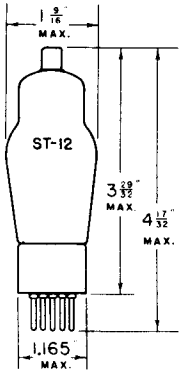
TUNG-SOL



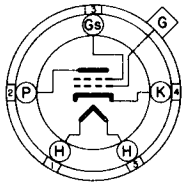
TETRODE AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.3 AMPERE
AC OR DC

GLASS BULB

SMALL 5 PIN BASE



5E
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	.007 MAX.	μμf

S WITH SHIELD

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PLATE 472-1

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