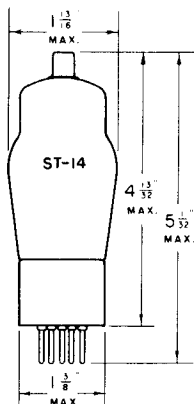


TUNG-SOL

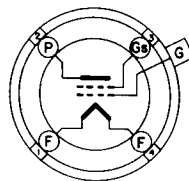


TETRODE AMPLIFIER

COATED FILAMENT
2.0 VOLTS 0.06 AMPERE
DC

GLASS BULB

MEDIUM 4 PIN BASE



4 K

BOTTOM VIEW

THE TUNG-SOL 32 IS DESIGNED FOR SERVICE AS A GENERAL PURPOSE SHARP CUT-OFF TETRODE VOLTAGE AMPLIFIER IN BATTERY OPERATED RECEIVERS.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	135	180 ^{MAX.}	VOLTS
SCREEN VOLTAGE ^{MAX.}	67.5	67.5	VOLTS
CONTROL GRID VOLTAGE ^A	-3	-3	VOLTS
GRID CIRCUIT RESISTANCE ^{MAX.}	2	2	MEG OHMS
PLATE CURRENT	1.7	1.7	MA.
SCREEN CURRENT ^{MAX.}	0.4	0.4	MA.
PLATE RESISTANCE ^{APPROX.}	0.95	1.2	MEG OHMS
TRANSCONDUCTANCE ^{APPROX.}	640	650	μMHOS
AMPLIFICATION FACTOR ^{APPROX.}	610	780	

DETECTOR

	BIASED		GRID LEAK	
PLATE SUPPLY VOLTAGE	135	180	135	VOLTS
SCREEN VOLTAGE	45	67.5 ^{MAX.}	45 ^{MAX.}	VOLTS
PLATE RESISTOR ^P	0.1	0.1	0.1	MEG OHM
GRID VOLTAGE	-4.5 ^A	-6 ^A	RETURN TO + FIL. (PIN #1)	VOLTS
PLATE CURRENT	ADJUST TO 0.2 MA. WITH NO INPUT SIGNAL			—
GRID LEAK	—	—	1 TO 5	MEG OHMS
GRID CONDENSER ^P OR EQUIVALENT IMPEDANCE	—	—	250	μμf

DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO FILAMENT	5.5	μμf
PLATE TO FILAMENT	11	μμf
CONTROL GRID TO PLATE ^S	0.015 ^{MAX.}	μμf

^S WITH SHIELD^A RETURN TO NEGATIVE FILAMENT (PIN #4)PLATE
345-2