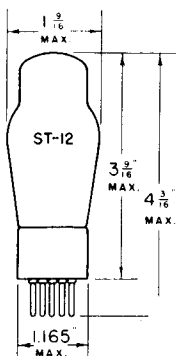


TUNG-SOL



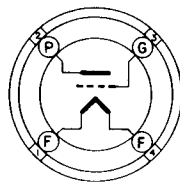
TRIODE POWER AMPLIFIER

COATED FILAMENT

2.0 VOLTS 0.13 AMPERE
DC

GLASS BULB

SMALL 4 PIN BASE



4 D

BOTTOM VIEW

THE TUNG-SOL 31 IS A TRIODE POWER AMPLIFIER DESIGNED FOR BATTERY OPERATION.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	135	180	VOLTS
GRID VOLTAGE ^A	-22.5	-30	VOLTS
GRID CIRCUIT RESISTANCE ^G	0.5 ^{MAX.}	0.5 ^{MAX.}	MEGOHM
PLATE CURRENT	8	12.3	MA.
PLATE RESISTANCE	4100	3600	OHMS
TRANSCONDUCTANCE	925	1050	μMHOS
AMPLIFICATION FACTOR	3.8	3.8	
LOAD RESISTANCE	7000	5700	OHMS
POWER OUTPUT	0.185	0.375	WATT

^A RETURN TO NEGATIVE FILAMENT (PIN #4)^G WITH FIXED BIAS

DIRECT INTERELECTRODE CAPACITANCES

GRID TO FILAMENT	3.6	μμf
PLATE TO FILAMENT	2.8	μμf
GRID TO PLATE	5.5	μμf