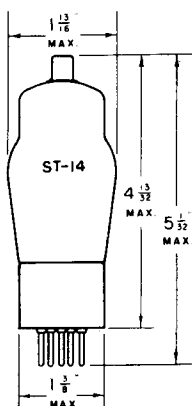


TUNG-SOL

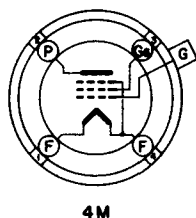


REMOTE CUT - OFF
PENTODE AMPLIFIER

COATED FILAMENT
2.0 VOLTS 0.06 AMPERE
DC

GLASS BULB

MEDIUM 4 PIN BASE



4M

FIG. 7

THE TUNG-SOL 34 IS A REMOTE CUT-OFF PENTODE AMPLIFIER DESIGNED FOR USE IN BATTERY OPERATED RECEIVERS. IT IS SUITABLE FOR USE WITH AVC IN RF AND IF AMPLIFIERS AND MINIMIZES CROSS MODULATION.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	67.5	135	180 ^{MAX.}	VOLTS
SCREEN VOLTAGE ^{MAX.}	67.5	67.5	67.5	VOLTS
CONTROL GRID VOLTAGE ^{MIN.}	-3	-3	-3	VOLTS
PLATE CURRENT	2.7	2.8	2.8	MA.
SCREEN CURRENT	1.1	1.0	1.0	MA.
PLATE RESISTANCE ^{APPROX.}	0.4	0.6	1.0	MEG OHM
TRANSCONDUCTANCE	560	600	620	μMHOS
AMPLIFICATION FACTOR ^{APPROX.}	224	360	620	
CONTROL GRID VOLTAGE	-22.5	-22.5	-22.5	VOLTS

FOR TRANSCONDUCTANCE = 15 μMHOS

AS MIXER IN SUPERHETERODYNE CIRCUIT

PLATE VOLTAGE	67.5	135	180 ^{MAX.}	VOLTS
SCREEN VOLTAGE ^{MAX.}	67.5	67.5	67.5	VOLTS
CONTROL GRID VOLTAGE ^{APPROX. G}	-5	-5	-5	VOLTS

^G THIS GRID BIAS IS MINIMUM FOR AN OSCILLATOR PEAK VOLTAGE OF 4.0 VOLTS.

DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO FILAMENT	6.0	μμf
PLATE TO FILAMENT	11.5	μμf
CONTROL GRID TO PLATE ^S	0.015 ^{MAX.}	μμf

^S WITH SHIELD

