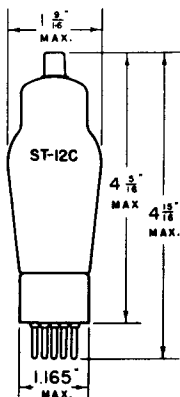


TUNG-SOL



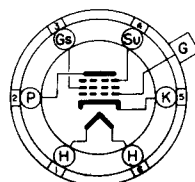
**TRIPLE GRID
DETECTOR AMPLIFIER**

UNIPOTENTIAL CATHODE

HEATER
2.5 VOLTS 1.0 AMPERE
AC OR DC

GLASS BULB

SMALL 6 PIN BASE



6F

BOTTOM VIEW

THE TUNG-SOL 57 IS A TRIPLE GRID GENERAL PURPOSE DETECTOR AMPLIFIER. EXCEPT FOR HEATER RATINGS, ITS ELECTRICAL CHARACTERISTICS ARE IDENTICAL WITH THOSE OF THE 6C6.

OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A₁ AMPLIFIER

PLATE VOLTAGE	100	250	250	335	VOLTS
SCREEN VOLTAGE	100	100	125	110	VOLTS
CONTROL GRID VOLTAGE	-3	-3	-3	-3	VOLTS
SUPPRESSOR GRID	CONNECTED TO CATHODE AT SOCKET				
PLATE CURRENT	2	2	3.7	2.7	MA.
SCREEN CURRENT	0.5	0.5	1	0.7	MA.
PLATE RESISTANCE APPROX.	1.0	1.5	1.7	2.6	MEG OHMS
TRANSCONDUCTANCE	1185	1225	1510	1325	μMHOS
AMPLIFICATION FACTOR APPROX.	1185	1850	2500	3500	
CONTROL GRID VOLTAGE FOR CATHODE CURRENT CUT-OFF	-7	-7	-9	-7.5	VOLTS

BIASED DETECTOR

PLATE SUPPLY VOLTAGE	100	100	250	VOLTS
SCREEN SUPPLY VOLTAGE	16	100	100	VOLTS
PLATE RESISTOR	1	1	0.5	MEG OHM
SCREEN RESISTOR	0	2	0	MEG OHMS
CATHODE RESISTOR	30 000	25 000	10 000	OHMS
SUPPRESSOR GRID	CONNECTED TO CATHODE AT SOCKET			

DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO CATHODE	5	μuf
PLATE TO CATHODE	6.5	μuf
CONTROL GRID TO PLATE ⁵	.007 ^{MAX.}	μuf

⁵ WITH SHIELD

PLATE
319-1

JAN. 23
1939