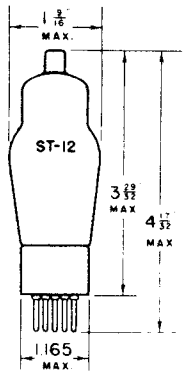
TUNG-SOL



TRIPLE GRID

DETECTOR AMPLIFIER

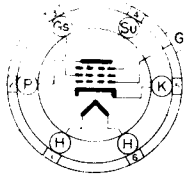
UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.3 AMPERE

AC OR DC

GLASS BULB



6F

BOTTOM VIEW

SMALL 6 PIN BASE

THE TUNG-SOL 77 IS A TRIPLE GRID GENERAL PURPOSE DETECTOR AMPLIFIER.

RATINGS

MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM SCREEN SUPPLY VOLTAGE	300	VOLTS
MAXIMUM SCREEN VOLTAGE	100	VOLTS
MINIMUM EXTERNAL GRID BIAS VOLTAGE	0	
MAXIMUM PLATE DISSIPATION	.75	WATT
MAXIMUM SCREEN DISSIPATION	.10	WATT

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE	100	250	VOLTS
SCREEN VOLTAGE	60	100	VOLTS
CONTROL GRID VOLTAGE	-1.5	-3	VOLTS
GRID CIRCUIT RESISTANCE MAX.	1	1	MEGOHM
SUPPRESSOR GRID	CONNECTED TO CATHODE AT SOCKET		
PLATE CURRENT	1.7	2.3	MA.
SCREEN CURRENT	0.4	0.5	MA.
PLATE RESISTANCE APPROX.	.6	1.0 MIN.	MEGOHM
TRANSCONDUCTANCE	1100	1250	μMHOS
CONTROL GRID VOLTAGE FOR CATHODE CURRENT CUT-OFF	-5.5	-7.5	VOLTS

CONTINUED NEXT PAGE

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PLATE 655-2

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TUNG-SOL

BIASED DETECTOR

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

DIRECT INTERELECTRODE CAPACITANCES

CONTROL GRID TO CATHODE	4.7	μμf
PLATE TO CATHODE	11	μμf
CONTROL GRID TO PLATE[S]	0.007 MAX.	μμf

[S] MEASURED WITH AN EXTERNAL SHIELD. THE INTERNAL SHIELD WITHIN THE DOME IS CONNECTED INTERNALLY TO THE SCREEN GRID (PIN #3).

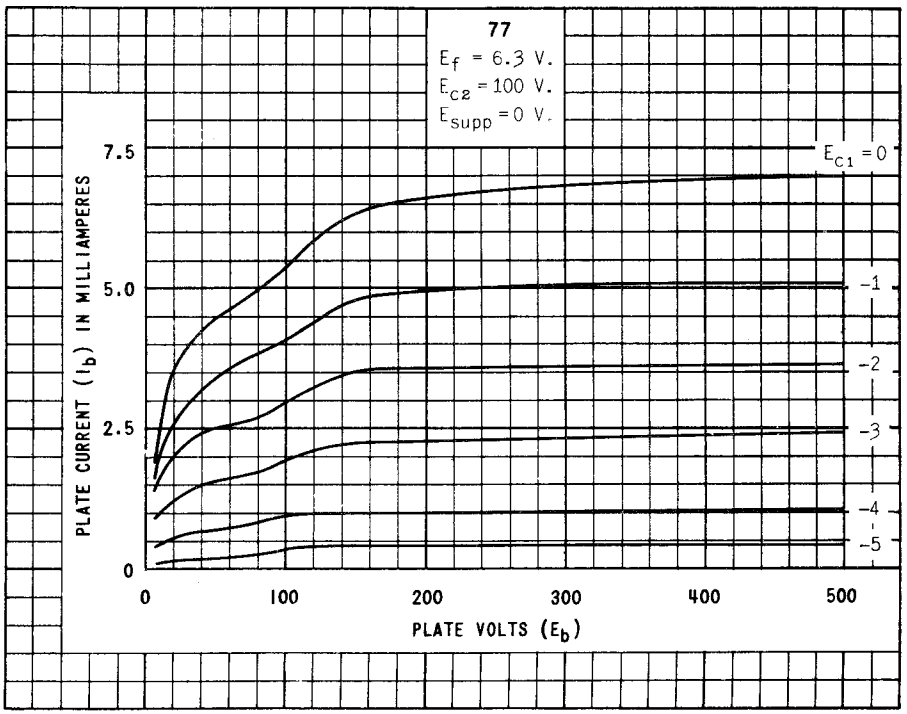

PLATE 656-1