CATHODE RAY TUNING INDICATOR

UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.15 AMPERE
AC OR DC



GLASS BULB

SMALL 7 PIN OCTAL BASE

THE TUNG-SOL 6AF6G CONSISTS OF A CIRCULAR FLUORESCENT SCREEN WITH TWO INDEPENDENT INDICATING SHADOW ANGLES, EACH CONTROLLED BY A RAY-CONTROL ELECTRODE. WHEN THE 6AF6G IS USED AS A TUNING INDICATOR THE SHADOW ANGLE IS CONTROLLED BY POSITIVE VOLTAGES APPLIED TO THE RAY CONTROL ELECTRODES.

OPERATING CONDITIONS AND CHARACTERISTICS

TARGET VOLTAGE MAX.	135	VOLTS
TARGET VOLTAGE MIN.	90	VOLTS
RAY-CONTROL ELECTRODE SUPPLY VOLTAGE MAX.	135	VOLTS

TUNING INDICATOR

TARGET VOLTAGE	100	135	VOLTS
TARGET CURRENT T	0.9	1.5	MA.
RAY-CONTROL ELECTRODE VOLTAGE P	60	81 APP	ROX. VOLTS
RAY-CONTROL ELECTRODE VOLTAGE PP	0	O APP	ROX. VOLTS

T WITH O VOLTS ON RAY-CONTROL ELECTRODES. SUBJECT TO WIDE VARIATION.

NOTE: A DOUBLE TRIDDE, SUCH AS THE 6CBG OR THE 6FBG, CAN BE USED TO OBTAIN TWO SENSITIVITIES FOR A TUNING INDICATOR BY APPLYING FULL A.V.C. VOLTAGE TO ONE TRIDDE AND 1/10 OF THE A.V.C. VOLTAGE TO THE OTHER.

IN AC-DC SUPERHETERODYNE RECEIVERS A SHADOW ANGLE VARIATION OF 0 TO 90° WITH A.V.C. ACTION MAY BE OBTAINED WITHOUT AN AMPLIFIER TUBE BY RAISING THE CATHODE OF THE 6AF66 TO +30 VOLTS, SUPPLYING IF TUBE SCREEN THROUGH A 50 000 OHM RESISTOR AND CONNECTING THE CONTROL ELECTRODES TO THE SCREEN.

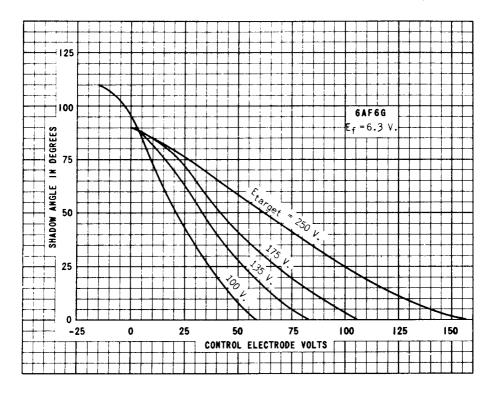
PLATE 238-1

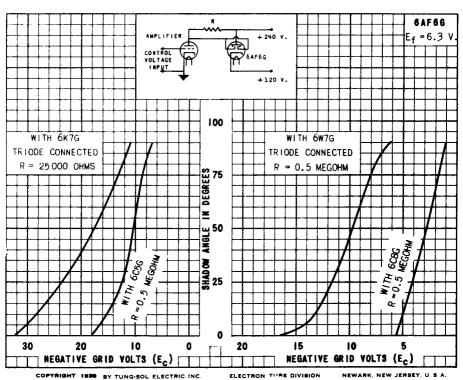
PRINTED IN U. S. A.

P FOR 0° SHADOW ANGLE PRODUCED BY EITHER RAY-CONTROL ELECTRODE.

PP FOR 100 SHADOW ANGLE PRODUCED BY EITHER RAY-CONTROL ELECTRODE.

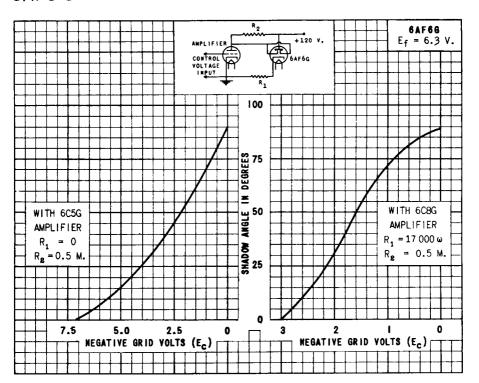
THE PLANE OF THE CONTROL ELECTRODES PASSES THROUGH PINS #3 AND #7.

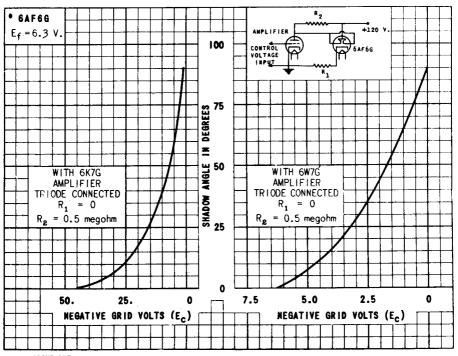




PL ATE 283-1

6AF6 G





PL ATE 284-1