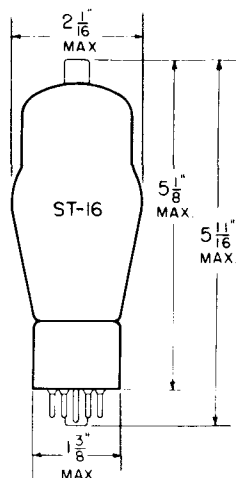


TUNG-SOL

BEAM PENTODE

GLASS BULB
SMALL CAP

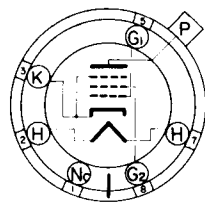
COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 2.5 AMP.

AC OR DC

MOUNTING POSITION

VERTICAL - BASE UP OR DOWN
HORIZONTAL - PLANE OF PINS
2 & 7 VERTICALBOTTOM VIEW
INTERMEDIATE SHELL
6 PIN OCTAL

5BT

THE 6CD6G IS A HIGH PERVEANCE, BEAM POWER AMPLIFIER DESIGNED FOR USE AS A HORIZONTAL DEFLECTION AMPLIFIER IN HIGH EFFICIENCY DEFLECTION CIRCUITS OF TELEVISION RECEIVERS. IT IS PARTICULARLY ADAPTABLE TO DRIVE CATHODE RAY PICTURE TUBES WHICH REQUIRE WIDE ANGLE DEFLECTION.

DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

GRID TO PLATE: (G ₁ TO P) MAX.	1	μf
INPUT: G ₁ TO (H+K+G ₃ +G ₂)	26	μf
OUTPUT: P TO (H+K+G ₃ +G ₂)	10	μf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210
FOR OPERATION IN A 525-LINE, 30-FRAME SYSTEM^A

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	135	VOLTS
MAXIMUM DC PLATE VOLTAGE	700	VOLTS
MAXIMUM PEAK POSITIVE-PULSE PLATE VOLTAGE	6000	VOLTS
MAXIMUM PEAK NEGATIVE-PULSE PLATE VOLTAGE	-1500	VOLTS
MAXIMUM DC GRID #2 VOLTAGE	175	VOLTS
MAXIMUM DC GRID #1 VOLTAGE	-50	VOLTS
MAXIMUM PEAK NEGATIVE-PULSE GRID #1 VOLTAGE	-150	VOLTS
MAXIMUM DC PLATE CURRENT	170	MA.
MAXIMUM PLATE DISSIPATION	15	WATTS
MAXIMUM GRID #2 INPUT	3	WATTS
MAXIMUM BULB TEMPERATURE (AT HOTTEST POINT)	210	°C
MAXIMUM GRID #1 CIRCUIT RESISTANCE	1	MEG OHM

^A AS DESCRIBED IN "STANDARDS OF GOOD ENGINEERING PRACTICE FOR TELEVISION BROADCAST STATIONS," FEDERAL COMMUNICATIONS COMMISSION.

TUNG-SOL

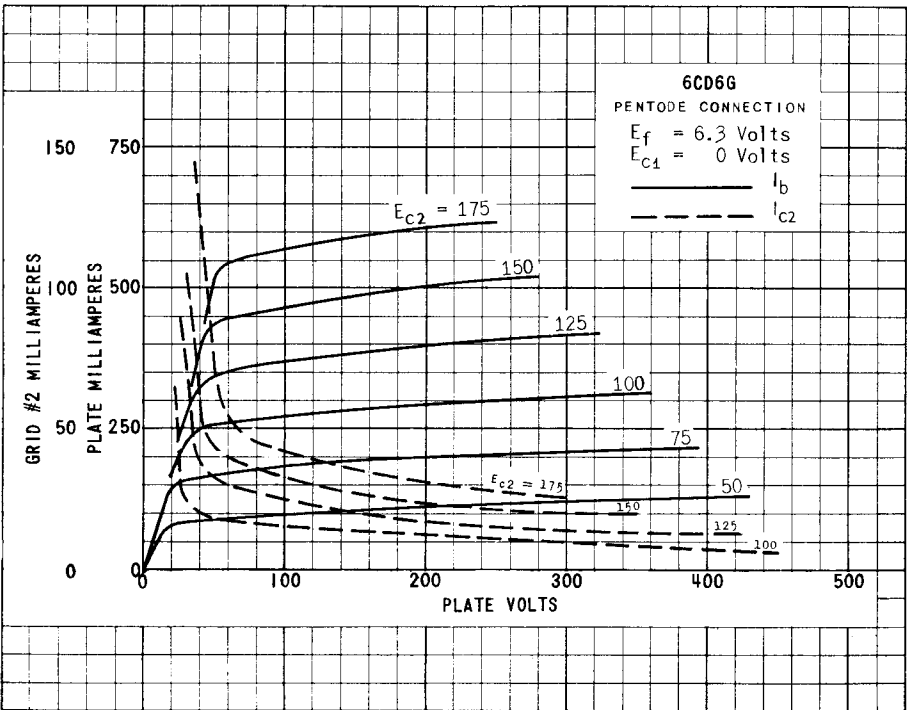
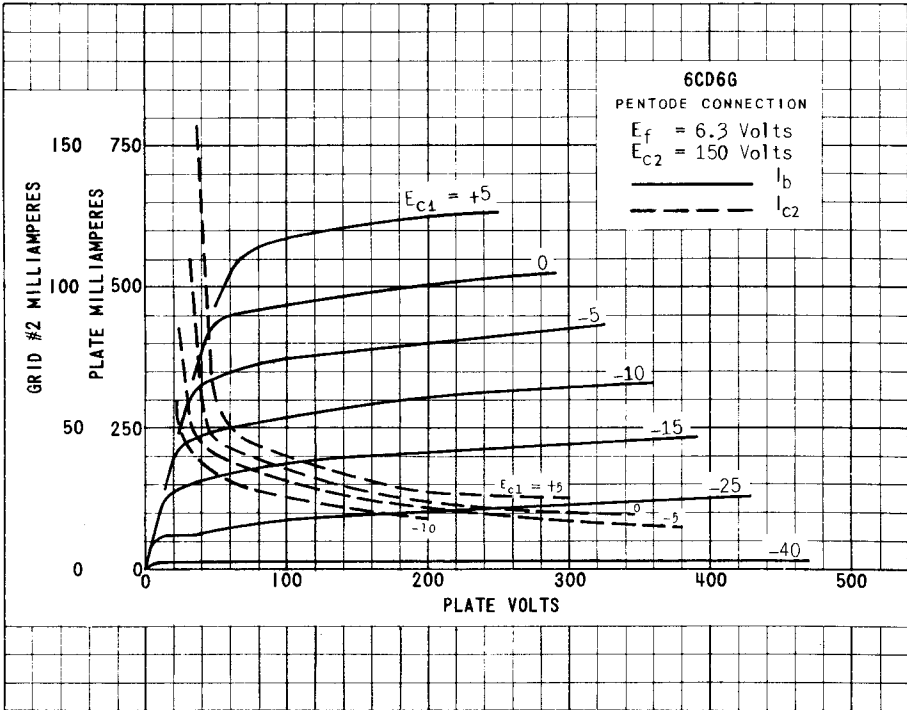
CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

HORIZONTAL DEFLECTION AMPLIFIER

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	2.5	AMP.
DC PLATE SUPPLY VOLTAGE:		
FROM DC POWER SUPPLY ^B	350	VOLTS
FROM DC BOOSTS SUPPLIED BY 6W4GT (APPROX.)	150	VOLTS
TOTAL SUPPLY VOLTAGE (APPROX.) ^C	500	VOLTS
GRID #2 VOLTAGE	170	VOLTS
CATHODE BIAS RESISTOR	300	OHMS
GRID #1 INPUT VOLTAGE:		
PEAK-TO-PEAK SAWTOOTH COMPONENT	75	VOLTS
NEGATIVE PEAKING COMPONENT	55	VOLTS
DC PLATE CURRENT	90	MA.
DC GRID #2 CURRENT	15.5	MA.
PEAK POSITIVE-PULSE PLATE OUTPUT VOLTAGE (APPROX.):		
FOR KINESCOPE ANODE CURRENT OF 0 MA.	5500	VOLTS

^B MEASURED TO GROUND.^C MEASURED TO CATHODE AND IS PREFERABLY OBTAINED THROUGH A SERIES DROPPING RESISTOR FOR SUFFICIENT VALUE TO LIMIT THE GRID #2 INPUT TO THE RATED MAXIMUM VALUE.PLATE
2385APR. 1
1950



PRINTED IN U. S. A.

PLATE
2386
APR. 1
1950