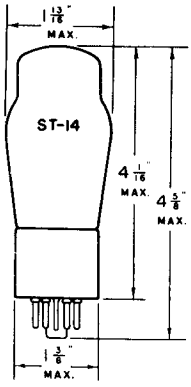
TUNG-SOL



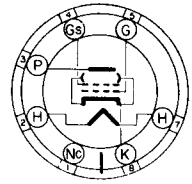
BEAM POWER AMPLIFIER

UNIPOTENTIAL CATHODE

HEATER
50.0 VOLTS 0.15 AMPERE
AC OR DC

GLASS BULB

MEDIUM 7 PIN OCTAL BASE



G-7AC

BOTTOM VIEW

THE TUNG-SOL 50C6G IS A BEAM POWER AMPLIFIER, DESIGNED FOR SERVICE IN THE OUTPUT STAGE OF AC-DC RECEIVERS. IT FEATURES HIGH POWER OUTPUT WITH LOW SUPPLY VOLTAGES.

RATINGS

MAXIMUM PLATE VOLTAGE	200	VOLTS
MAXIMUM SCREEN VOLTAGE	135	VOLTS
MAXIMUM PLATE DISSIPATION	12.5	WATTS
MAXIMUM SCREEN DISSIPATION	1.75	WATTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A1 AMPLIFIER

PLATE VOLTAGE	135	200	VOLTS
SCREEN VOLTAGE	135	135	VOLTS
CONTROL GRID VOLTAGE [A]	-13.5	-14	VOLTS
PEAK AF SIGNAL VOLTAGE	13.5	14	VOLTS
ZERO-SIGNAL PLATE CURRENT	58	61	MA.
ZERO-SIGNAL SCREEN CURRENT (NOMINAL)	3.5	2.2	MA.
MAXIMUM-SIGNAL PLATE CURRENT	60	66	MA.
MAXIMUM-SIGNAL SCREEN CURRENT (NOMINAL)	11.5	9	MA.
PLATE RESISTANCE APPROX.	9300	18300	OHMS
TRANSCONDUCTANCE	7000	7100	μMHOS
LOAD RESISTANCE	2000	2600	OHMS
TOTAL HARMONIC DISTORTION	10	10	PER CENT
POWER OUTPUT	3.6	6.0	WATTS

[A] THE DC RESISTANCE IN THE GRID CIRCUIT, UNDER MAXIMUM RATED CONDITIONS, SHOULD NOT EXCEED 0.5 MEGOHM FOR SELF-BIAS OPERATION AND 0.1 MEGOHM FOR FIXED BIAS OPERATION.

PRINTED IN U.S.A.

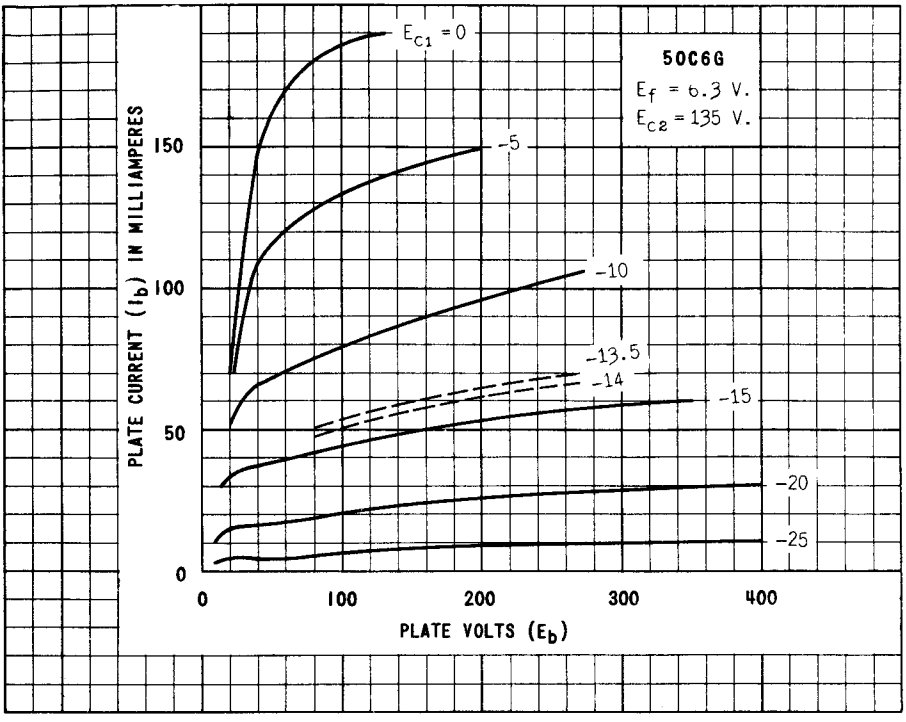
JUNE 6 1941

PLATE 1061-1

FOR "INTERPRETATION OF RATINGS" REFER TO FRONT OF BOOK.

CONTINUED NEXT PAGE

50C6G



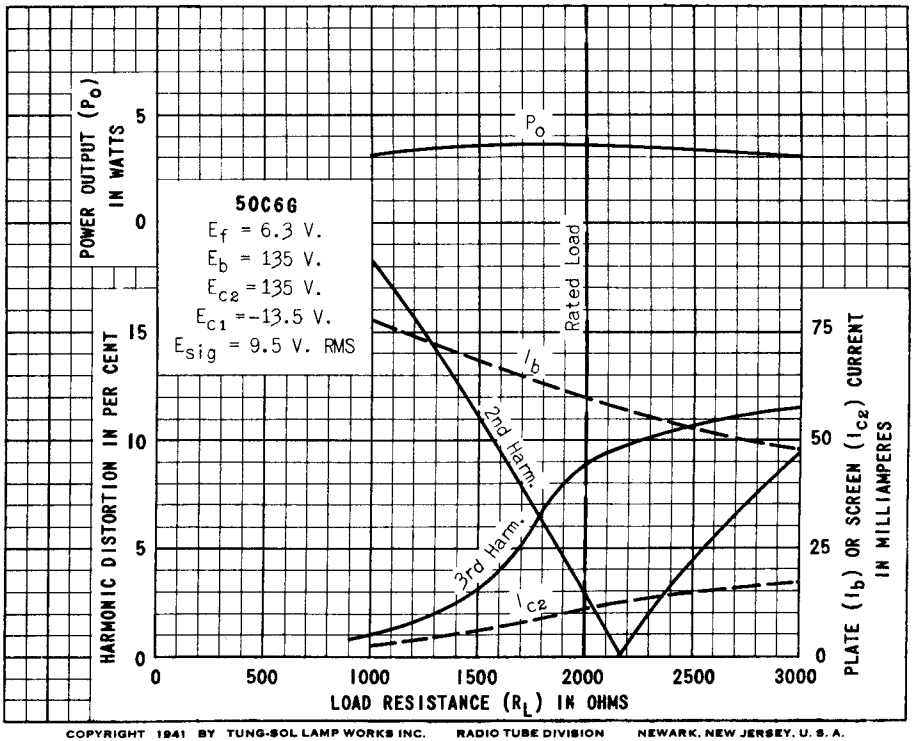


PLATE
1062-1