

TUNG-SOL

BEAM POWER AMPLIFIER

MINIATURE TYPE

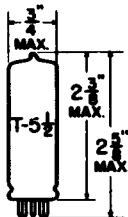
UNIPOTENTIAL CATHODE

HEATER

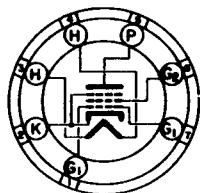
35 VOLTS 0.015 AMPERE

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW
MINIATURE BUTTON
7 PIN BASE

THE 35B5 IS A BEAM POWER AMPLIFIER IN THE MINIATURE CONSTRUCTION. BECAUSE OF ITS HIGH POWER SENSITIVITY AT LOW PLATE-SCREEN VOLTAGE, IT IS PARTICULARLY ADAPTABLE TO AC/DC RECEIVER APPLICATIONS.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	35	VOLTS
HEATER CURRENT	0.15	AMP.
MAXIMUM PLATE VOLTAGE	117	VOLTS
MAXIMUM SCREEN VOLTAGE	117	VOLTS
MAXIMUM PLATE DISSIPATION	4.5	WATTS
MAXIMUM SCREEN DISSIPATION	1.0	WATTS
MAXIMUM HEATER-CATHODE VOLTAGE	150	VOLTS

DIRECT INTERELECTRODE CAPACITANCES - APPROX. WITH NO EXTERNAL SHIELD

GRID TO PLATE	0.4	$\mu\mu\text{f}$
INPUT	11	$\mu\mu\text{f}$
OUTPUT	6.5	$\mu\mu\text{f}$

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

PLATE VOLTAGE	110	VOLTS
SCREEN VOLTAGE	110	VOLTS
CONTROL GRID VOLTAGE	-7.5	VOLTS
PEAK AF GRID VOLTAGE	7.5	VOLTS
ZERO-SIGNAL PLATE CURRENT	40	MA.
ZERO-SIGNAL SCREEN CURRENT (APPROX.)	3	MA.
MAXIMUM SIGNAL PLATE CURRENT	41	MA.
MAXIMUM SIGNAL SCREEN CURRENT (APPROX.)	7	MA.
GRID CIRCUIT RESISTANCE (MAX.): FOR FIXED BIAS	0.1	MEGOHM
FOR CATHODE-BIAS	0.5	MEGOHM
LOAD RESISTANCE	2 500	OHMS
PLATE RESISTANCE	14 000	OHMS
TRANSCONDUCTANCE	5 800	μMHOS
MAXIMUM SIGNAL POWER OUTPUT	1.5	WATTS
TOTAL HARMONIC DISTORTION	10	PERCENT

SIMILAR TYPE REFERENCE: Within its ratings identical to 35L6GT. Except for heater ratings, somewhat similar to types 745, 50B5.

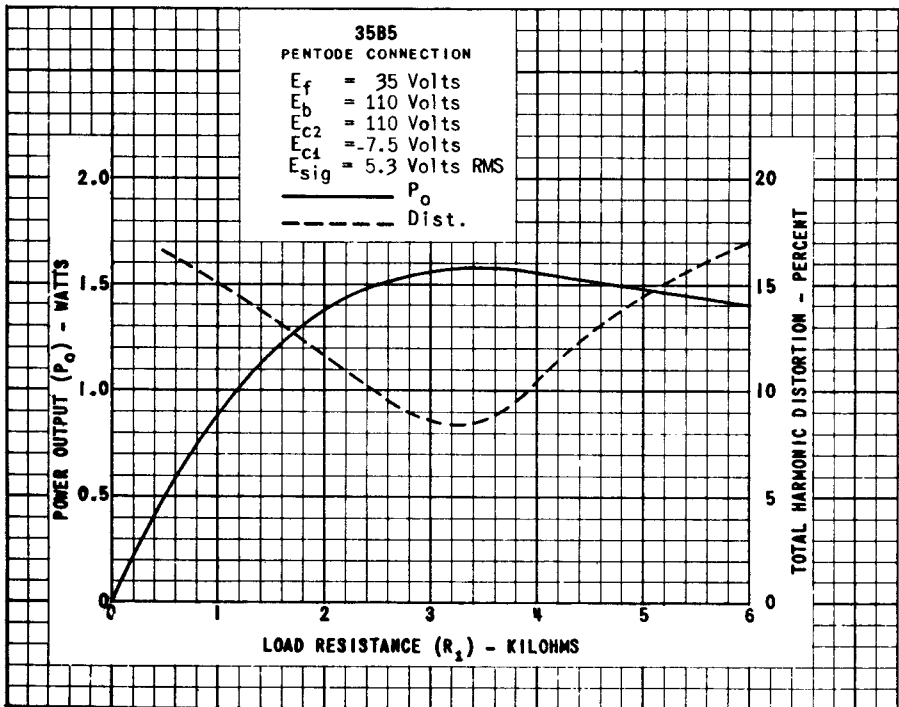
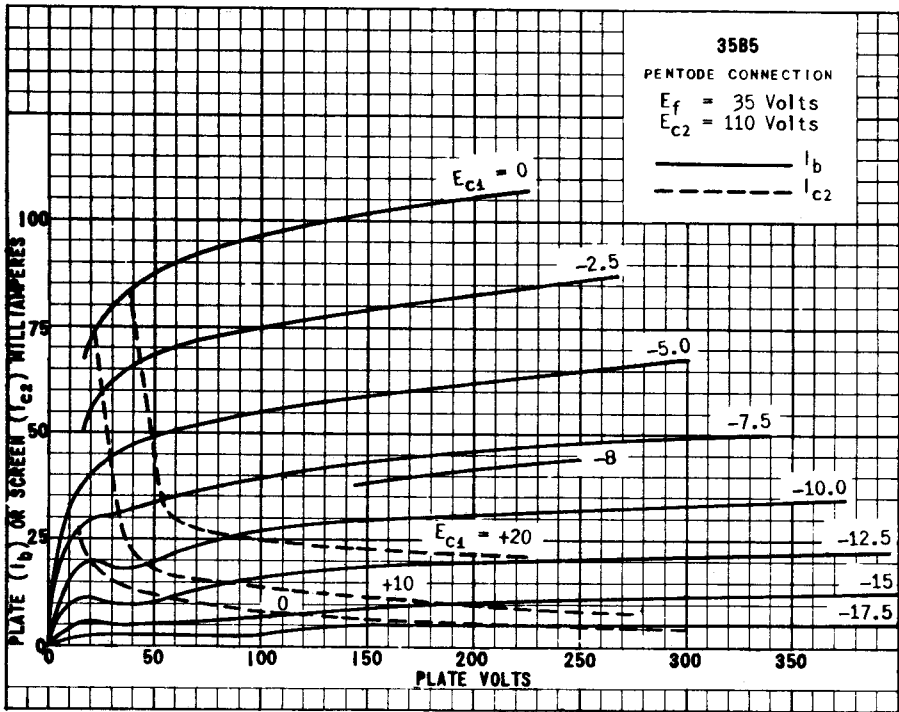


PLATE
1836
JUNE 2,
1947