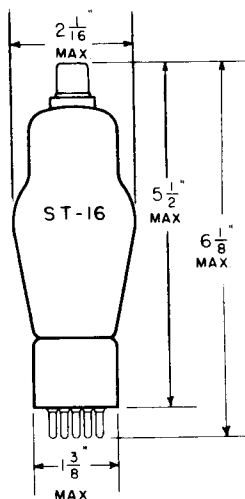


TUNG-SOL

PENTODE POWER AMPLIFIER OSCILLATOR



COATED FILAMENT

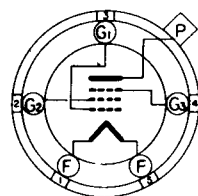
6.3 VOLTS^A 1.5 AMPS.
AC OR DC

GLASS BULB

MOUNTING POSITION

HORIZONTAL OPERATION PERMITTED IF
PINS 2 AND 4 ARE IN A VERTICAL
PLANE.

MEDIUM METAL CAP



BOTTOM VIEW

MEDIUM 5 PIN
MICANOL BASE

TYPE 2E22 IS DESIGNED PRIMARILY FOR CLASS C AMPLIFIER OR OSCILLATOR
SERVICE IN PORTABLE EQUIPMENT.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

MAXIMUM PLATE VOLTAGE	750	VOLTS
MAXIMUM SCREEN GRID VOLTAGE	250	VOLTS
MAXIMUM CONTROL GRID VOLTAGE	-200	VOLTS
MAXIMUM PLATE DISSIPATION	30	WATTS
MAXIMUM SCREEN DISSIPATION	10	WATTS
MAXIMUM PLATE CURRENT	110	MA.
MAXIMUM CONTROL GRID CURRENT	9.0	MA.

DIRECT INTERELECTRODE CAPACITANCES

GRID TO PLATE (WITH SHIELD)	0.20 MAX.	μ f
INPUT	13	μ f
OUTPUT	8.0	μ f

^A THE FILAMENT VOLTAGE SHOULD BE HELD AS CLOSE TO 6.3 VOLTS AS POSSIBLE. INTERMITTENT OPERATION TO AS HIGH AS 7.0 OR AS LOW AS 5.5 VOLTS IS PERMISSIBLE.

CONTINUED NEXT PAGE

PLATE
1562
FEB. 28
1945

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS C, R-F AMPLIFIER OR OSCILLATOR

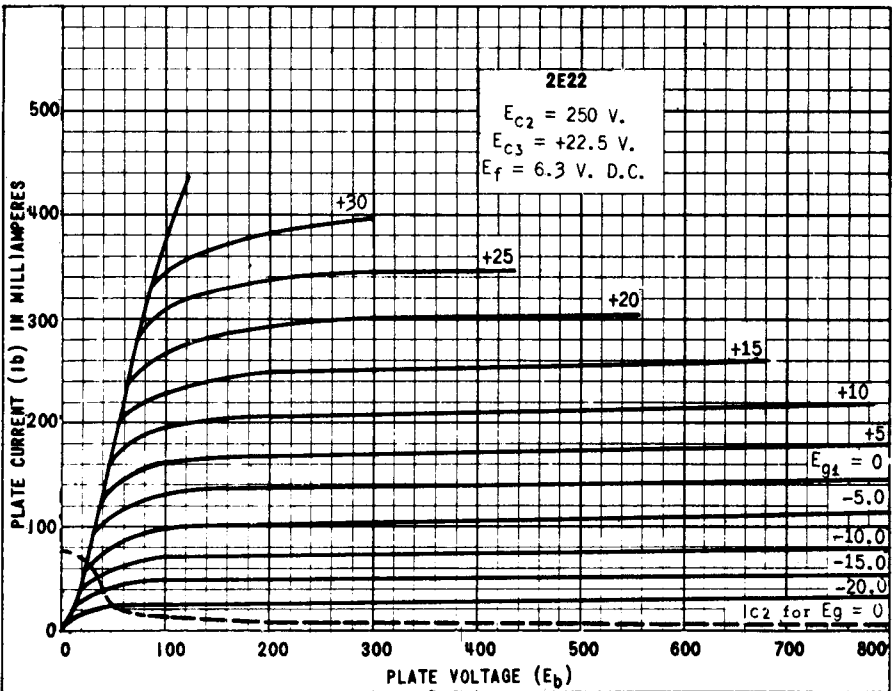
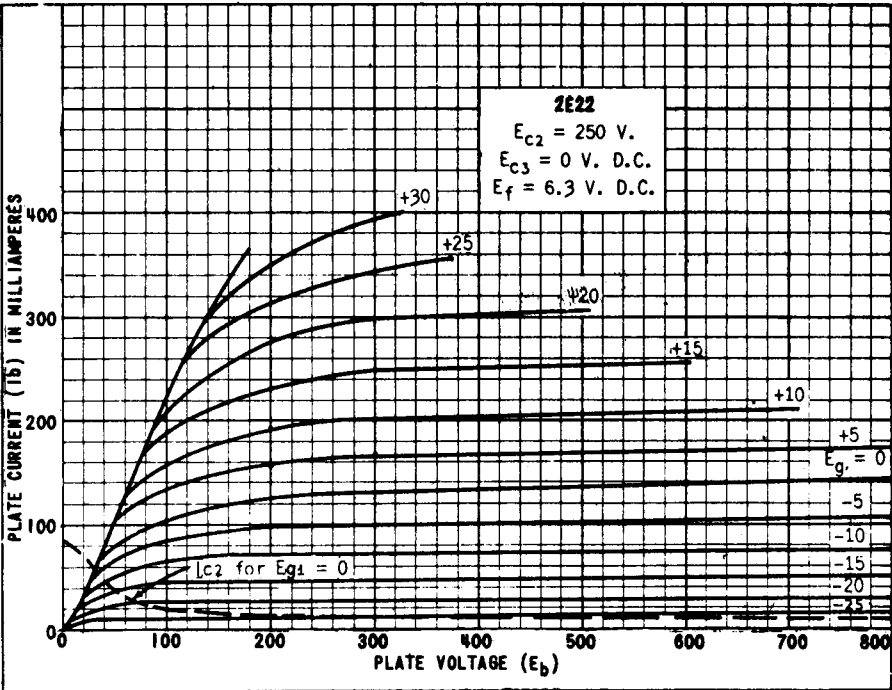
PLATE VOLTAGE	500	500	750	750	VOLTS
SCREEN VOLTAGE	250	250	250	250	VOLTS
SCREEN RESISTOR ^B	15 000	15 000	30 000	30 000	OHMS
SUPPRESSOR VOLTAGE	0	22.5	0	22.5	VOLTS
PLATE CURRENT	100	100	100	100	MA.
SCREEN CURRENT	16	16	16	16	MA.
CONTROL GRID CURRENT (APPROX.)	6.0	6.0	6.0	6.0	MA.
CONTROL GRID RESISTOR ^C	10 000	10 000	10 000	10 000	OHMS
PEAK R-F GRID VOLTAGE (APPROX.)	100	100	100	100	VOLTS
GRID DRIVING POWER (APPROX.)	0.55	0.55	0.55	0.55	WATT
POWER OUTPUT (APPROX.)	30	34	48	53	WATTS

SUPPRESSOR MODULATED CLASS C AMPLIFIER

PLATE VOLTAGE	500	750	VOLTS
SCREEN VOLTAGE	250	250	VOLTS
SCREEN RESISTOR	8 500	17 000	OHMS
SUPPRESSOR VOLTAGE	-65	-90	VOLTS
PEAK A-F INPUT	65	90	VOLTS
PEAK R-F GRID VOLTAGE	100	100	VOLTS
PLATE CURRENT	50	55	MA.
SCREEN CURRENT (APPROX.)	29	29	MA.
CONTROL GRID CURRENT (APPROX.)	6.5	6.5	MA.
CONTROL GRID RESISTOR ^C	10 000	10 000	OHMS
GRID DRIVING POWER (APPROX.)	0.6	0.6	WATT
POWER OUTPUT (APPROX.)	10.5	16.5	WATTS
MODULATION	95	95	PER CENT

^B SERIES SCREEN DROPPING RESISTOR SHOULD NOT BE USED IF UNDER KEY-UP CONDITIONS THE SCREEN VOLTAGE EXCEEDS 500 VOLTS.

^C THE TOTAL EFFECTIVE GRID CIRCUIT RESISTANCE SHALL NOT EXCEED 25,000 OHMS.



PRINTED IN U. S.

PLATE
1564
FEB. 28
1945

2E22

