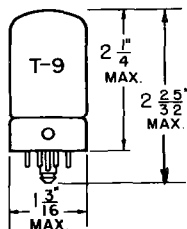


## TUNG-SOL

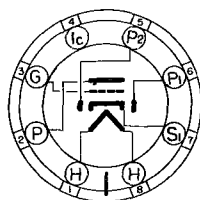
DOUBLE DIODE TRIODE  
MINIATURE TYPE

GLASS BULB

COATED UNIPOTENTIAL CATHODE

HEATER  
6.3 VOLTS 300 MA.  
AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

LOCK-IN  
8 PIN BASE

8W

THE 7B6 IS A COMBINED HIGH-MU TRIODE AND DOUBLE DIODE USING THE 8 PIN LOCK-IN CONSTRUCTION. IT IS DESIGNED FOR USE AS A DIODE DETECTOR, AVC RECTIFIER AND AN IMPEDANCE OR RESISTANCE COUPLED AMPLIFIER.

## DIRECT INTERELECTRODE CAPACITANCES

EXTERNAL SHIELD #308 CONNECTED TO PIN #7

DIODE INPUT: (1P OR 2P TO H+K) EACH UNIT	1.7	$\mu\text{f}$
TRIODE GRID TO DIODE PLATE: (G TO 1P) MAX.	0.01	$\mu\text{f}$

## RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	6.3	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PLATE DISSIPATION	0.5	WATT
MAXIMUM POSITIVE DC GRID VOLTAGE	0	VOLTS
MAXIMUM DIODE CURRENT FOR CONTINUOUS OPERATION (EACH PLATE)	1	MA.

## TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A<sub>1</sub> AMPLIFIER

HEATER VOLTAGE	6.3	6.3	VOLTS
HEATER CURRENT	300	300	MA.
PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	-1	-2	VOLTS
PLATE RESISTANCE (APPROX.)	110 000	91 000	OHMS
TRANSCONDUCTANCE	900	1 100	$\mu\text{MHOS}$
PLATE CURRENT	0.4	0.9	MA.
AMPLIFICATION FACTOR	100	100	
AVERAGE DIODE CURRENT WITH 10 VOLTS DC APPLIED (EACH PLATE)	2	2	MA.

SIMILAR TYPE REFERENCE: Ratings and characteristics similar to types 2A8, 6SQ7GT, 12SQ7GT and 75.

→ INDICATES A CHANGE OR ADDITION.

PLATE  
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SEPT. 1  
1951

# 7B6 (14B6)

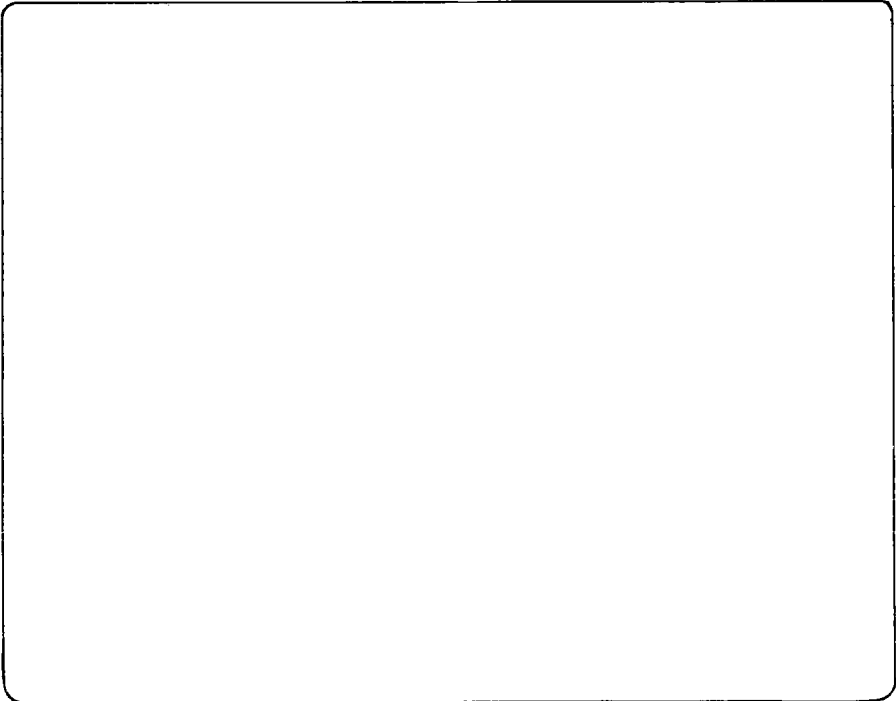
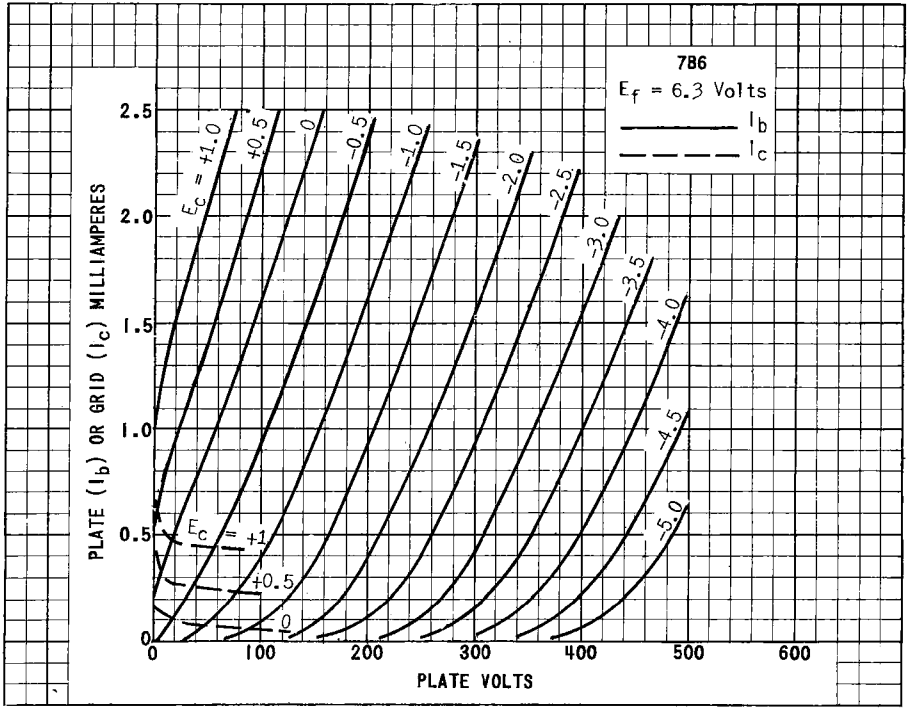
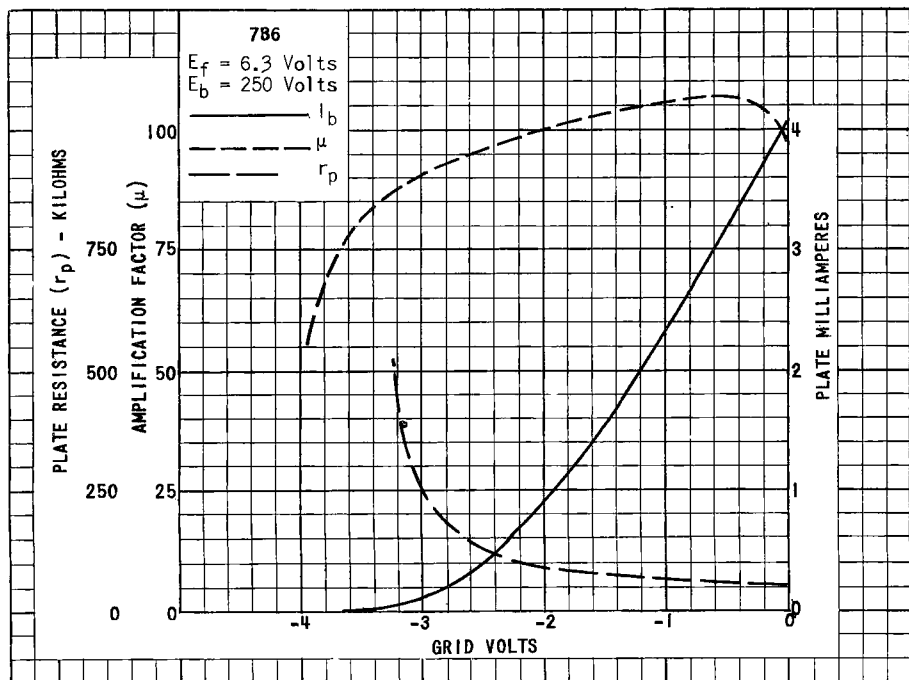
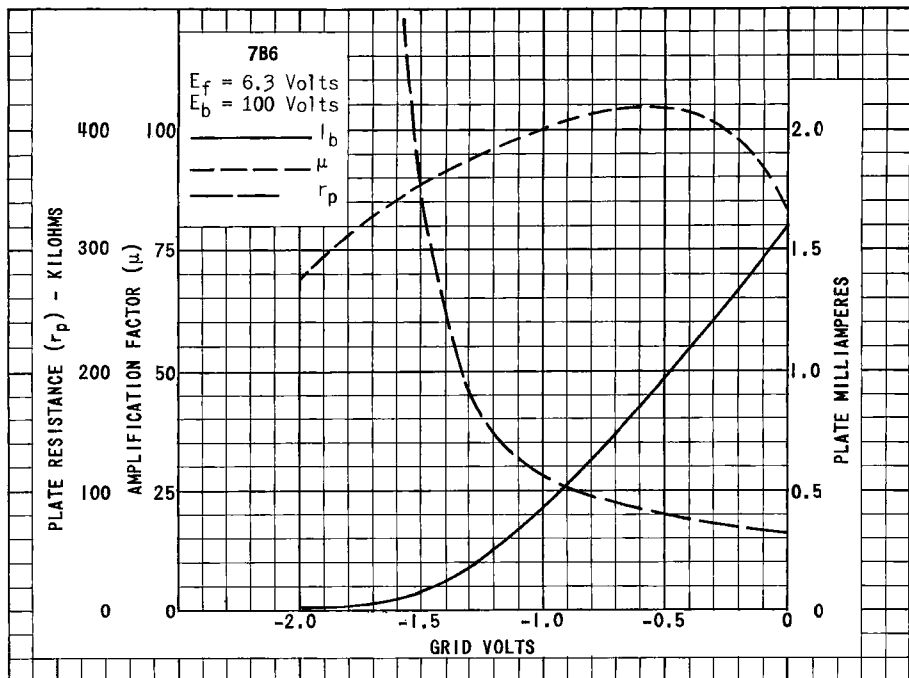


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 2732  
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PLATE 2733  
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