

TUNG-SOL

DOUBLE-DIODE TRIODE

MINIATURE TYPE

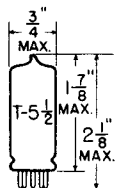
UNIPOTENTIAL CATHODE

HEATER

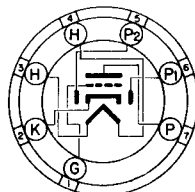
12.6 VOLTS 0.15 AMPERE

AC OR DC

ANY MOUNTING POSITION



GLASS BULB



BOTTOM VIEW

MINIATURE BUTTON
7 PIN BASE

THE 12AT6 IS A COMBINED HIGH- μ VOLTAGE AMPLIFIER AND DOUBLE-DIODE DETECTOR USING THE 7-PIN MINIATURE CONSTRUCTION. IT IS INTENDED TO PROVIDE OUTPUT VOLTAGE ADEQUATE FOR FULL POWER OUTPUT OF MOST BEAM-POWER TUBES.

DIRECT INTERELECTRODE CAPACITANCES

WITH NO EXTERNAL SHIELD

GRID TO PLATE: (G TO P)	2.1	μ f
INPUT: G TO (H + K)	2.3	μ f
OUTPUT: P TO (H + K)	1.1	μ f
DIODE PLATE #2 TO TRIODE GRID: (P ₂ TO G) (MAX.)	0.025	μ f

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD MB-210

HEATER VOLTAGE	12.6	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOLTS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MINIMUM DIODE CURRENT WITH 10 VOLTS DC APPLIED	0.8	MA.

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

TRIODE UNIT - CLASS A₁ AMPLIFIER

HEATER VOLTAGE	12.6	12.6	VOLTS
HEATER CURRENT	0.15	0.15	AMP.
PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	-1	-3	VOLTS
PLATE CURRENT	0.8	1.0	MA.
PLATE RESISTANCE	54 000	58 000	OHMS
TRANSCONDUCTANCE	1 300	1 200	μ MHOS
AMPLIFICATION FACTOR	70	70	

DIODE UNITS - TWO

THE DIODE UNITS ARE INDEPENDENT OF THE TRIODE UNIT EXCEPT FOR THE COMMON CATHODE SLEEVE.

SIMILAR TYPE REFERENCE: Except for heater ratings somewhat similar to 6Q7, 6Q7GT, 63Q7, 63Q7GT, 786, 706.

→ INDICATES A CHANGE OR ADDITION.

12AT6

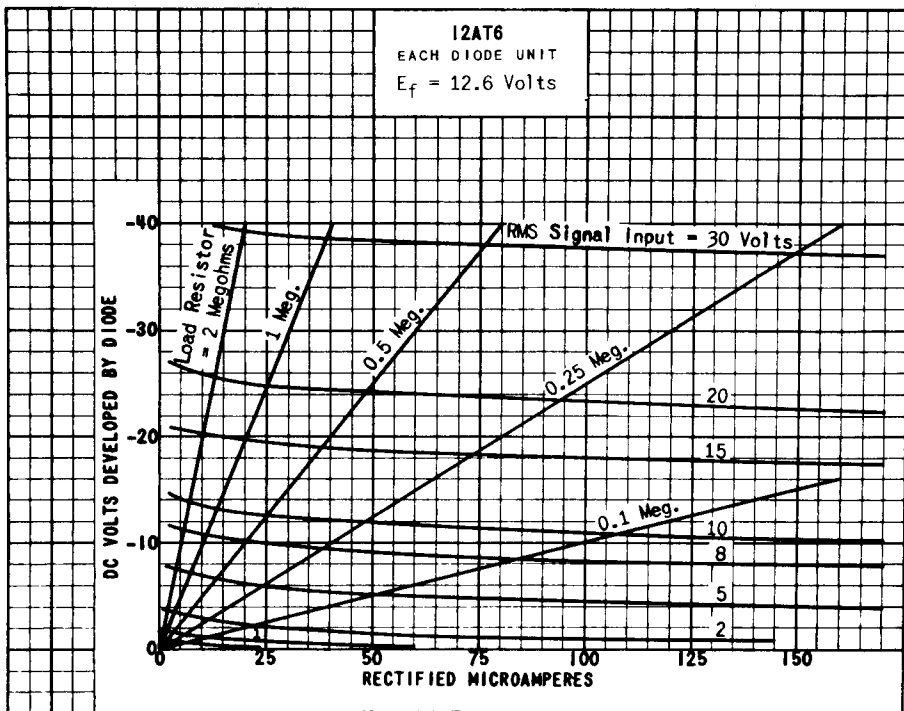
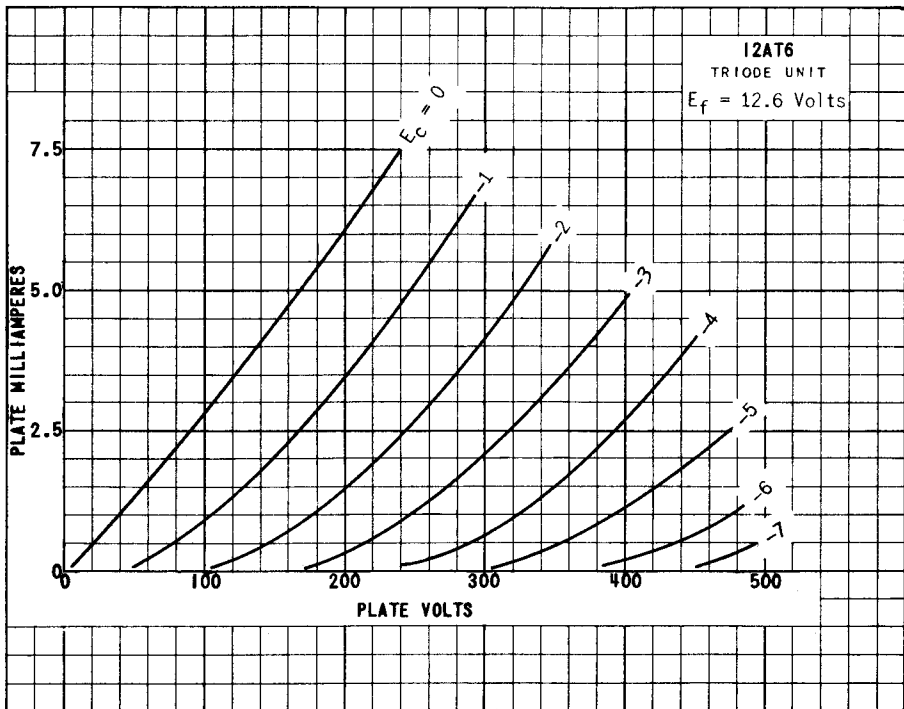


PLATE
1848
JULY 1,
1947