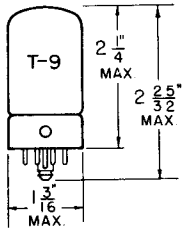
TUNG-SOL

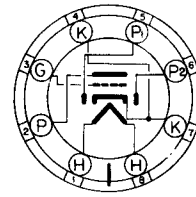
DOUBLE DIODE TRIODE



COATED UNIPOTENTIAL CATHODE

6.3 VOLTS 0.150 AMPERES
AC OR DC

IN CIRCUITS WHERE THE CATHODE IS NOT DIRECTLY CONNECTED TO THE HEATER, THE POTENTIAL DIFFERENCE BETWEEN HEATER AND CATHODE SHOULD BE KEPT AS LOW AS POSSIBLE.



BOTTOM VIEW
LOCKING IN 8 PIN BASE

GLASS BULB

ANY MOUNTING POSITION

THE 7C6 IS A DOUBLE DIODE HIGH MU TRIODE USING THE LOCK-IN CONSTRUCTION. IT IS DESIGNED FOR SERVICE AS A DETECTOR AND HIGH GAIN AUDIO AMPLIFIER. IT FEATURES A LOW DRAIN HEATER.

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

MAXIMUM PLATE VOLTAGE	300	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A_1 AMPLIFIER

HEATER VOLTAGE	6.3		6.3		VOLTS
PLATE SUPPLY VOLTAGE	100		300		VOLTS
GRID LEAK	10		10		MEGOHMS
LOAD RESISTANCE	0.25		0.25		MEGOHM
COUPLING CAPACITOR	.01 TO .005		.01 TO .005		μμF
GRID RESISTOR FOR FOLLOWING TUBE	.5	1.0	0.5	1.0	MEGOHM
EXTERNAL GRID CIRCUIT IMPEDANCE	0	0	0	0	MEGOHM
VOLTAGE GAIN	38	42	54	56	
VOLTAGE OUTPUT (RMS)	5	6	37	43	VOLTS
TOTAL HARMONIC DISTORTION	5	5	5	5	PER CENT

AVERAGE CHARACTERISTICS

TRIODE UNIT

PLATE VOLTAGE	100	250	VOLTS
GRID VOLTAGE	0	-1	VOLTS
AMPLIFICATION FACTOR	85	100	
PLATE RESISTANCE	0.1	0.1	MEGOHM
TRANSCONDUCTANCE	850	1,000	μMHOS
PLATE CURRENT	1.0	1.3	MA

CONTINUED ON FOLLOWING PAGE.

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PLATE
1590
JULY 31,
1945

TUNG-SOL

CONTINUED FROM PRECEDING PAGE

DIODE UNITS

TWO

DIODE CURRENT PER PLATE WITH 10 VOLTS DC APPLIED	1.0	MA.

SIMILAR TYPE REFERENCE: *Characteristics similar to type 75. Diode section similar to types 2B7, 6B7, 6B8G, 85, 55.*

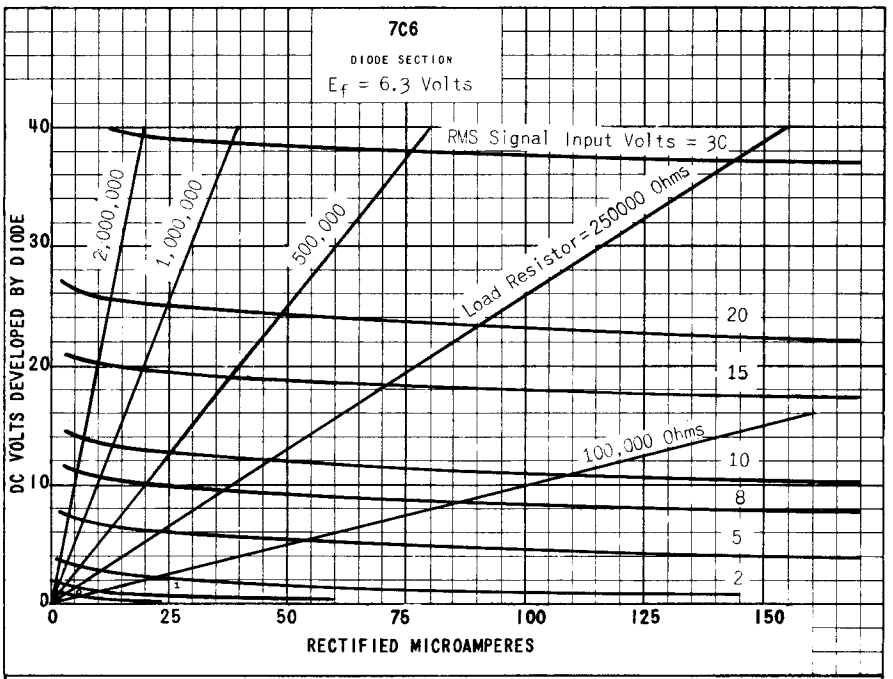

PLATE 1591

JULY 31, 1945