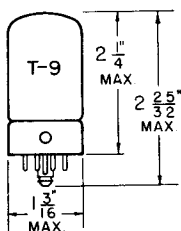


TUNG-SOL

DOUBLE DIODE TRIODE

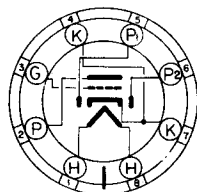


COATED UNIPOTENTIAL CATHODE

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 A₁ 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	μF
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.

CONTINUED FROM PRECEDING PAGE

DIODE UNITS

TWO

DIODE CURRENT PER PLATE WITH
40 VOLTS DC APPLIED

1.0 MA.

SIMILAR TYPE REFERENCE: Characteristics similar to type 75. Diode section similar to types 2B7, 6B7, 6B80, 85, 55.

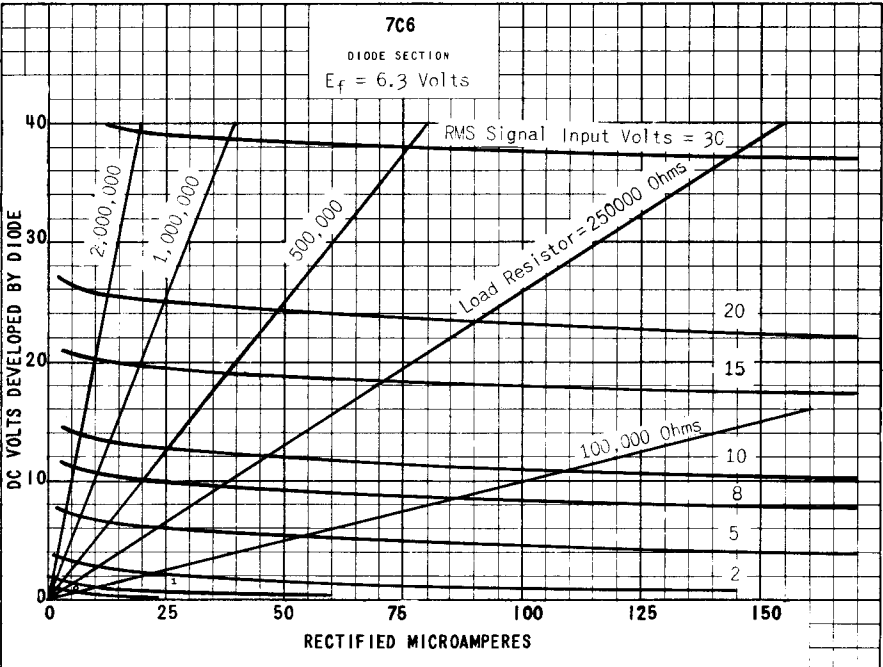


PLATE
159L
JULY 31,
1945