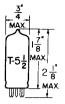
MINIATURE TYPE



GLASS BULB

UNIPOTENTIAL CATHODE

HEATER

18.9 VOLTS 150 MA. AC OR DC

ANY MOUNTING POSITION



BOTTOM VIEW

MINIATURE BUTTON 7 PIN BASE 78F

THE 19J6 IS A TWIN TRIODE HAVING TWO PLATES AND TWO GRIDS WITH A COMMON CATHODE, USING THE MINIATURE CONSTRUCTION. IT MAY BE OPERATED IN PARALLEL OR PUSH-PULL. WITH THE GRIDS IN A PUSH-PULL ARRANGEMENT AND THE PLATES IN PARALLEL, THE 1906 IS PARTICULARLY APPLICABLE AS A MIXER AT FREQUEN-CIES AS HIGH AS 600 MEGACYCLES. IT IS ALSO USEFUL AS AN OSCILLATOR.

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

	EACH UNIT	
GRID TO PLATE: (G TO P)	1.5	μμf
GRID TO CATHODE: (G TO K)	2	μμf
PLATE TO CATHODE: (P TO K)	0.4	щцf

RATINGS INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	18.9	VOLTS
MAXIMUM HEATER-CATHODE VOLTAGE	90	VOL TS
MAXIMUM PLATE VOLTAGE	300	VOLTS
MAXIMUM PLATE DISSIPATION	1.5	WATTS
MAXIMUM GRID CIRCUIT RESISTANCE (SELF BIAS)	0.5	ME GOHM

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

CLASS A, AMPLIFIER - EACH UNIT

±		
HEATER VOLTAGE	18.9	VOL TS
HEATER CURRENT	150	MA.
PLATE VOLTAGE	100	VOLTS
CATHODE BIAS RESISTORA	50 ^в	OHMS
PLATE CURRENT	8.5	MA.
PLATE RESISTANCE	7 100	OHMS
TRANSCONDUCTANCE	5 3 0 0	MM HOS
AMPLIFICATION FACTOR	38	

A FIXED BIAS OPERATION NOT RECOMMENDED.

CONTINUED ON FOLLOWING PAGE

BVALUE IS FOR BOTH UNITS OPERATING AT THE SPECIFIED CONDITIONS.

- TUNG-SOL -

CONTINUED FROM PRECEDING PAGE

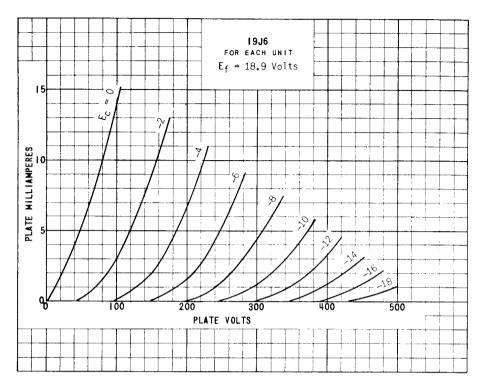
MIXER SERVICE - EACH UNIT

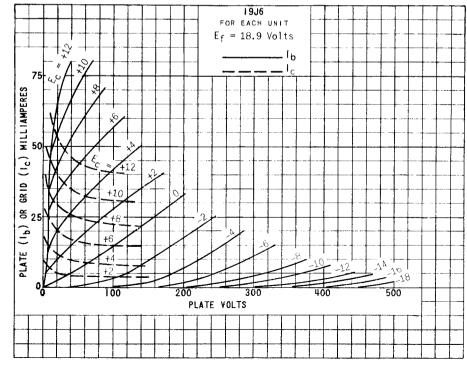
HEATER VOLTAGE	18.9	VOL TS
HEATER CURRENT	150	MA.
PLATE VOLTAGE	150	VOLTS
CATHODE-BIAS RESISTOR ^A	810 ⁸	OHMS
OSCILLATOR PEAK VOLTAGE	3	VOL TS
PLATE RESISTANCE	10 200	OHMS
CONVERSION TRANSCONDUCTANCE	1 900	дм ноз
SHORT-CIRCUIT INPUT CONDUCTANCE AT 100 MC	96	им ноs
PLATE CURRENT	4.8	MA.

A FIXED BIAS OPERATION NOT RECOMMENDED.

PLATE 2133 JAN. 2, 1949

B_{VALUE} IS FOR BOTH UNITS OPERATING AT THE SPECIFIED CONDITIONS.





PRINTED IN U. S. A.

PLATE 2134 JAN. 2, 1949