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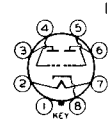
CLASS B TWIN AMPLIFIER

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.6	amp.
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4"
Maximum Diameter		1-5/16"
Bulb		T-9
Base		Intermediate Shell Octal 8-Pin
Pin 1-No Connection		Pin 5-Grid T1
Pin 2-Heater		Pin 6-Plate T1
Pin 3-Plate T2		Pin 7-Heater
Pin 4-Grid T2		Pin 8-Cathode
RCA Socket		Stock No.9924
Mounting Position		Any



BOTTOM VIEW

For convenience, one triode unit is identified as T1; the other as T2.

Maximum Ratings Are Design-Center Values

CLASS B TWIN AMPLIFIER

	With Sustained Signal (See Note 1)		*With Variable Signal Only (See Note 2)*	
Plate Voltage	300 max.		400 max.	volts
Peak Plate Current (per plate)	90 max.		90 max.	ma.
Average Plate Dissipation (per plate)	3 max.		4.5 max.	watts
Typical Operation:				
Unless otherwise specified, values are for the two units				
Plate-Supply Impedance	0	1000*	0	ohms
Effective Grid Circuit Impedance (per unit)	0	516**	0	ohms
Plate Voltage	300	300	400	volts
D-C Grid Voltage	0	0	0	volts
Peak A-F Grid-to-Grid Volt.	70	108	76	volts
Zero-Sig. D-C Plate Current	6.6	6.6	10	ma.
Max.-Sig. D-C Plate Current	54	54	63	ma.
Peak Grid Current (per unit)	38	39	41	ma.
Effective Load Resistance Plate-to-Plate	12000	12000	14000	ohms
Total Harmonic Distortion	4	5	–	%
Max.Sig. Power Output	10.4	10.4	17	watts

NOTE 1: For applications where the tube has to handle a sustained signal as for example, key-down operation.

NOTE 2: For the handling of signals where the tube will not operate under sustained signal conditions as for example, broadcast reception.

■ In circuits where the cathode is not connected directly to the heater, the potential difference between heater and cathode should be kept as low as possible.

* Practical design value.

**, •: See next page.

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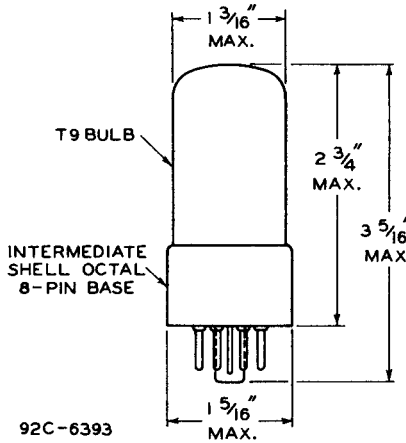
CLASS B TWIN AMPLIFIER

(continued from preceding page)

** At 400 cycles for class B stage in which the effective resistance per grid circuit is 500 ohms, and the leakage reactance of the coupling transformer is 50 millihenrys. The driver stage should be capable of supplying the grids of the class B stage with the specified values at low distortion.

● Includes peak voltage drop through the grid-circuit impedance.



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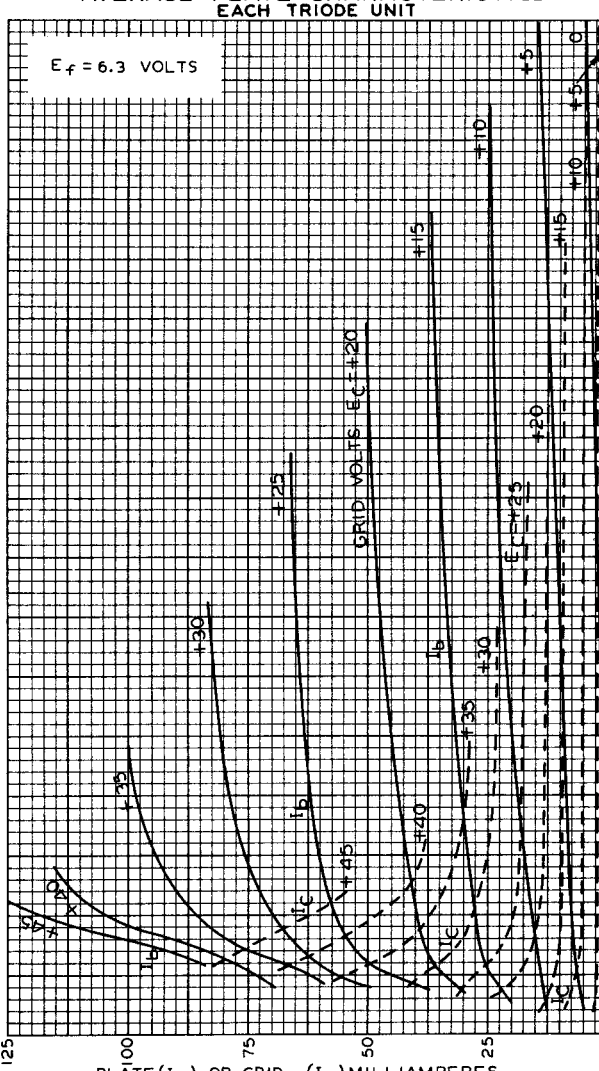
AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT



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AVERAGE PLATE CHARACTERISTICS
EACH TRIODE UNIT