



6SN7-GT

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TWIN-TRIODE AMPLIFIER

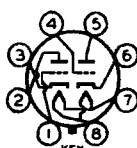
Heater	Coated Unipotential Cathodes	
Voltage	6.3	a-c or d-c volts
Current	0.6	amp.

Direct Interelectrode Capacitances (Approx.): ⁰		
	Triode Unit T_1	Triode Unit T_2
Grid to Plate	3.8	4.0 μf
Grid to Cathode	2.8	3.0 μf
Plate to Cathode	0.8	1.2 μf

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 - Grid T_2	Pin 5 - Plate T_1
Pin 2 - Plate T_2	Pin 6 - Cathode T_1
Pin 3 - Cathode T_2	Pin 7 - Heater
Pin 4 - Grid T_1	Pin 8 - Heater

Mounting Position Any



BOTTOM VIEW (8BD)

For convenience, one triode unit is identified as T_1 ; the other as T_2 .

Maximum And Minimum Ratings Are Design-Center Values

AMPLIFIER-Each Unit

Plate Voltage	300 max. volts
Grid Voltage	0 min. volts
Plate Dissipation	2.5 max. watts
D-C Heater-Cathode Potential	90 max. volts
Cathode Current	20 max. ma.

Characteristics — Class A_1 Amplifier:

Plate	90	250	volts
Grid #	0	-8	volts
Amp. Fact.	20	20	
Plate Res.	6700	7700	ohms
Transcond.	3000	2600	μmhos
Plate Cur.	10	9	ma.

Typical Operation with Resistance Coupling:

Same as for Type 6F8-G in RESISTANCE-COUPLED AMPLIFIER CHAR

⁰ With no external shield.

* Under maximum rated conditions, the d-c resistance in the grid circuit should not exceed 1.0 megohm per unit.

The curves under Type 6J5 also apply to each unit of the 6SN7-GT.

← Indicates a change.

APRIL 1, 1944

RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

DATA

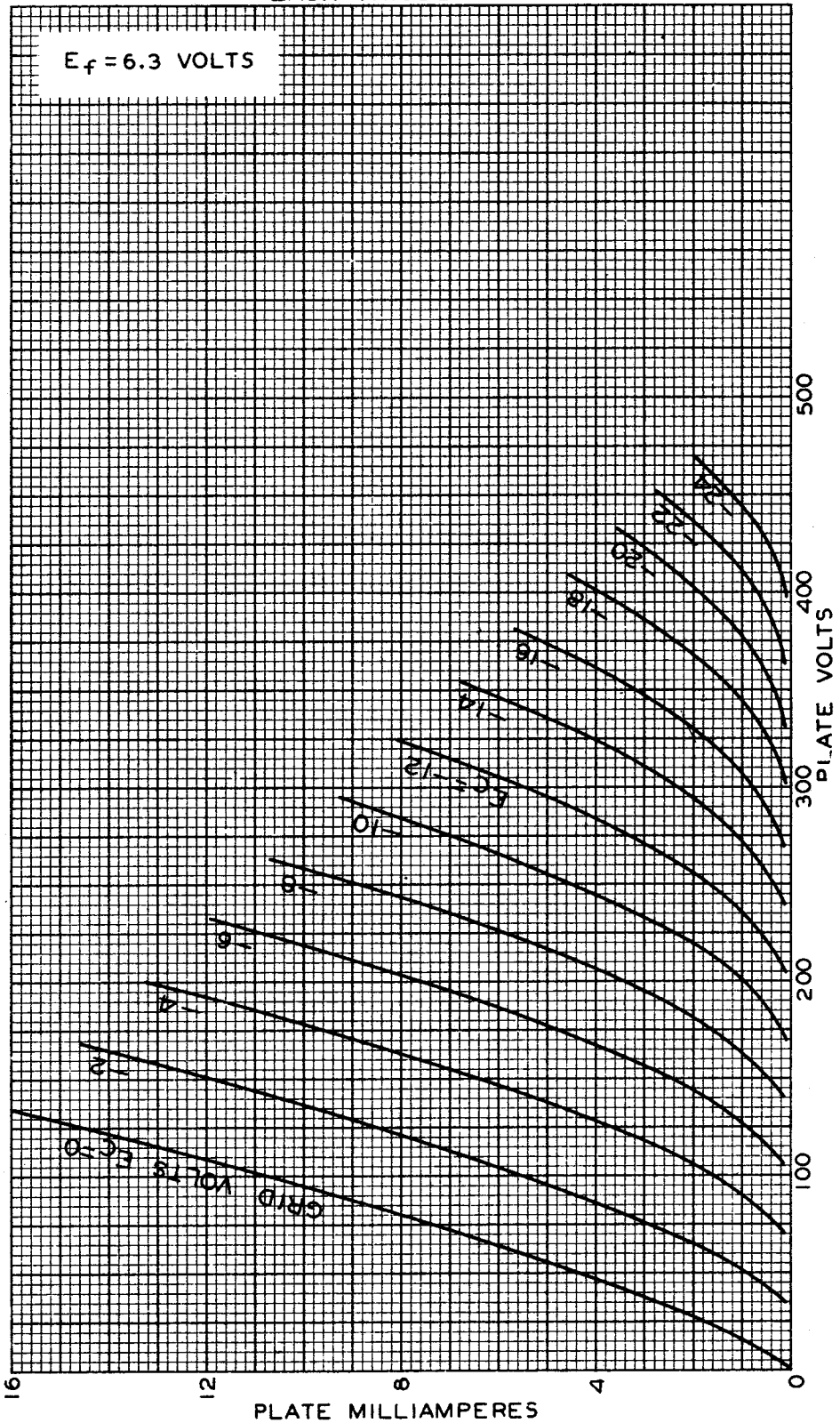
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AVERAGE PLATE CHARACTERISTICS

EACH TRIODE UNIT



FEB. 21, 1941

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