



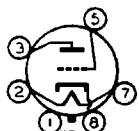
6C5, 6C5-GT/G

6C5
6C5-GT/G

DETECTOR AMPLIFIER TRIODE

Heater ■	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.

	6C5	6C5-GT/G
Direct Interelectrode Cap.	▲	▲▲
Grid to Plate	2.0	2.2 μf
Grid to Cathode	3.0	4.4 μf
Plate to Cathode	11	12 μf
Maximum Overall Length	2-5/8"	3-5/16"
Maximum Seated Height	2-1/16"	2-3/4"
Maximum Diameter	1-5/16"	1-5/16"
Bulb	Metal Shell, MT-8	T-9
Base	{ Small Wafer Octal 6-Pin	{ Small Wafer Octal 6-Pin, Sleeve
Basing Designation	6Q	GT-6Q
Pin 1 { 6C5, Shell 6C5-GT/G, Sleeve		Pin 5 - Grid
Pin 2 - Heater		Pin 7 - Heater
Pin 3 - Plate		Pin 8 - Cathode
Mounting Position		Any



BOTTOM VIEW

Maximum And Minimum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage	300 max. volts
Grid Voltage	0 min. volts
Plate Dissipation	2.5 max. watts
Characteristics - Class A₁ Amplifier:	
Plate Voltage	250 volts
Grid Voltage *	-8 volts
Amplification Factor	20
Plate Resistance	10000 ohms
Transconductance	2000 μmhms
Plate Current	8 ma.

Typical Operation with Resistance Coupling:

See RESISTANCE-COUPLED AMPLIFIER CHART.

DETECTOR

Typical Operation:	Biased	Grid Leak	
Plate Voltage	250	45 to 100	volts
Grid Voltage	-17 approx.	Return to cathode	volts
Plate Current	Adjusted to 0.2 ma. with no input signal	-	
Grid Leak	-	0.1 to 1.0	megohm
Grid Condenser	-	0.00005 to 0.0005	μf

■ 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.

▲▲ with shell of 6C5 connected to cathode. Values are approximate.

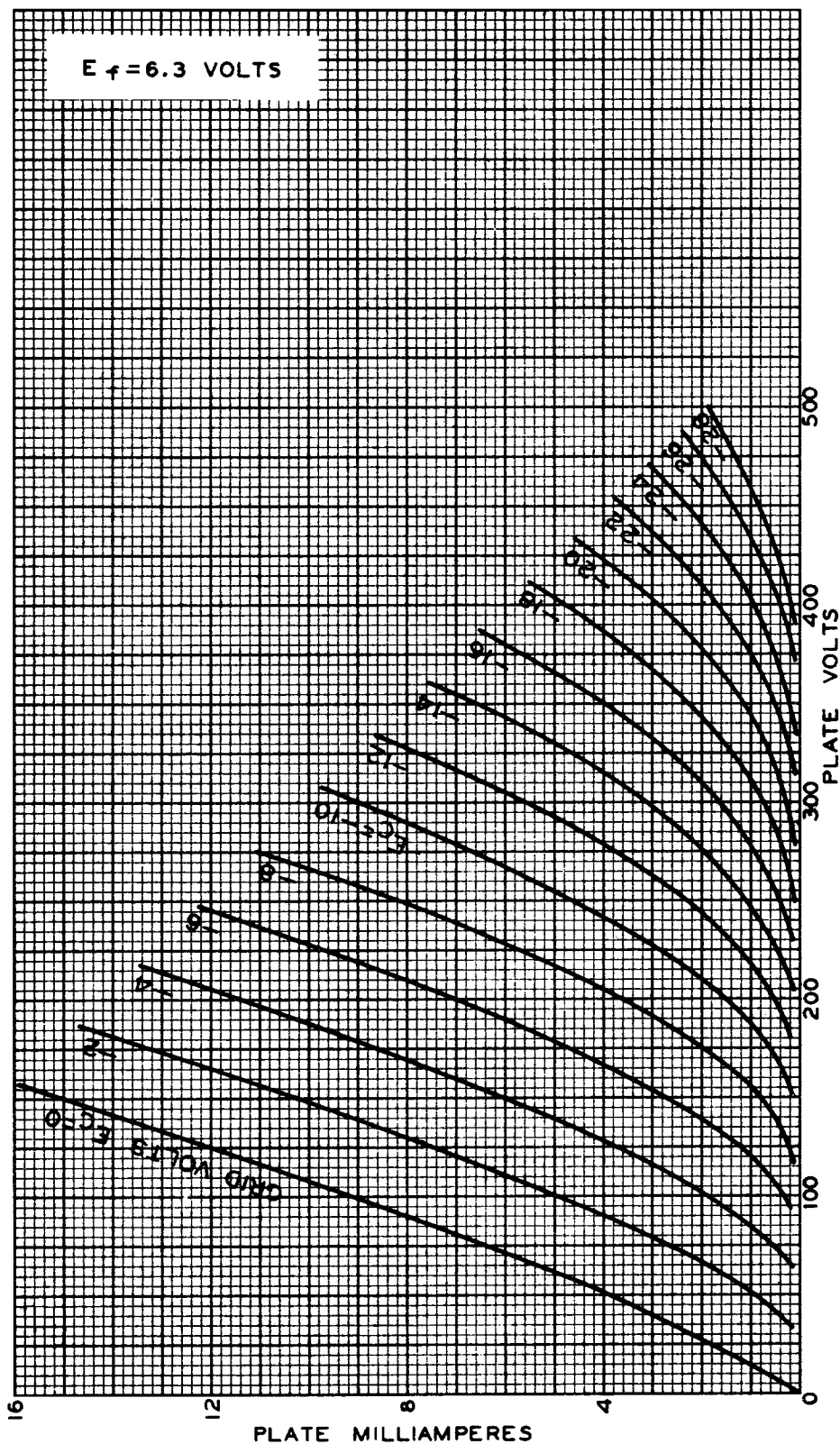
* with external shield connected to cathode. Values are approximate.
Under maximum rated conditions, the resistance in the grid circuit should not exceed 1.0 megohm.

6C5



6C5

AVERAGE PLATE CHARACTERISTICS

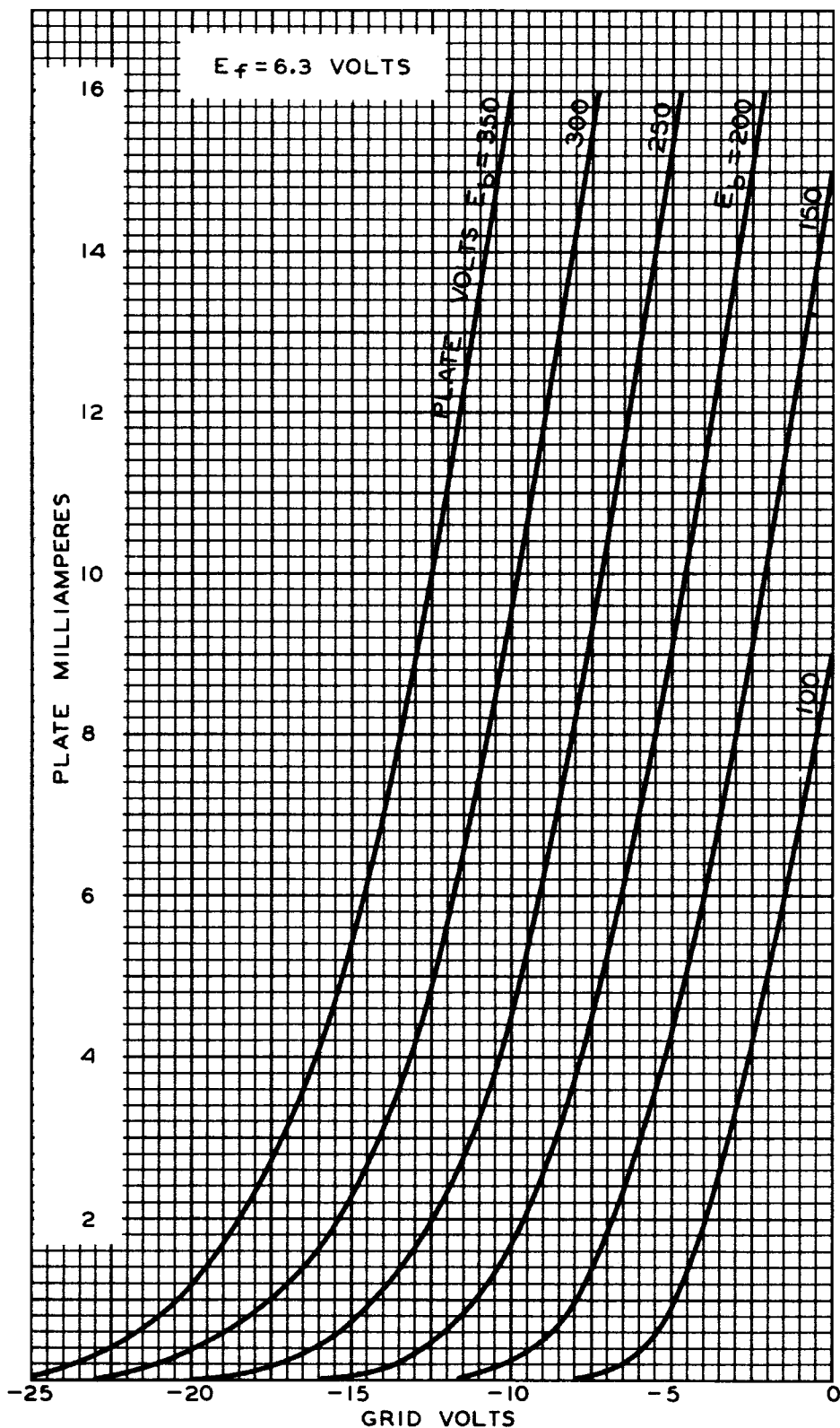


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RCA VICTOR DIVISION
RADIO CORPORATION OF AMERICA HARRISON, NEW JERSEY

92C-4441

AVERAGE CHARACTERISTICS



6C5

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