

RADIOTRON

6U7-G



TRIPLE - GRID SUPER - CONTROL AMPLIFIER

Heater *	Coated Unipotential Cathode #	
Voltage	6.3	a-c or d-c volts
Current	0.3	amp.
Direct Interelectrode Capacitances:*		
Grid to Plate	0.007 max.	$\mu\mu\text{F}$
Input	5	$\mu\mu\text{F}$
Output	9	$\mu\mu\text{F}$
Maximum Overall Length		4-29/32"
Maximum Diameter		1-9/16"
Bulb		ST-12
Cap		Skirted Miniature
Mounting Position		Any
Base		Small Shell Octal 7-Pin
Pin 1-No Connection		Pin 5-Suppressor
Pin 2-Heater		Pin 7-Heater
Pin 3-Plate		Pin 8-Cathode
Pin 4-Screen		Cap -Grid



BOTTOM VIEW

AMPLIFIER-Class A.

Plate Voltage	300 max. volts
Screen Voltage	125 max. volts
Screen Supply Voltage	300 max. volts
Grid Voltage	0 min. volts
Plate Dissipation	2.75 max. watt
Screen Dissipation	0.35 max. watt

Typical Operation:

Plate Voltage	100	250	volts
Screen Voltage	100	100	volts
Grid Voltage ^Δ	-3	-3	volts
Suppressor	Connected to cathode at socket		
Plate Res. (approx.)	0.25	0.8	megohm
Transconductance	1500	1600	μmhos
Grid Bias for transcon- ductance of 2 μmhos	-50	-50	volts
Plate Current	8.0	8.2	mA.
Screen Current	2.2	2.0	mA.

* 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.

The internal shield in the dome of the 6U7-G is connected to the cathode within the valve.

● With close-fitting shield-can connected to cathode.

Δ The grid circuit resistance should not exceed 3 megohms for a single controlled stage, 2.5 megohms for two controlled stages, or 2 megohms for three controlled stages.

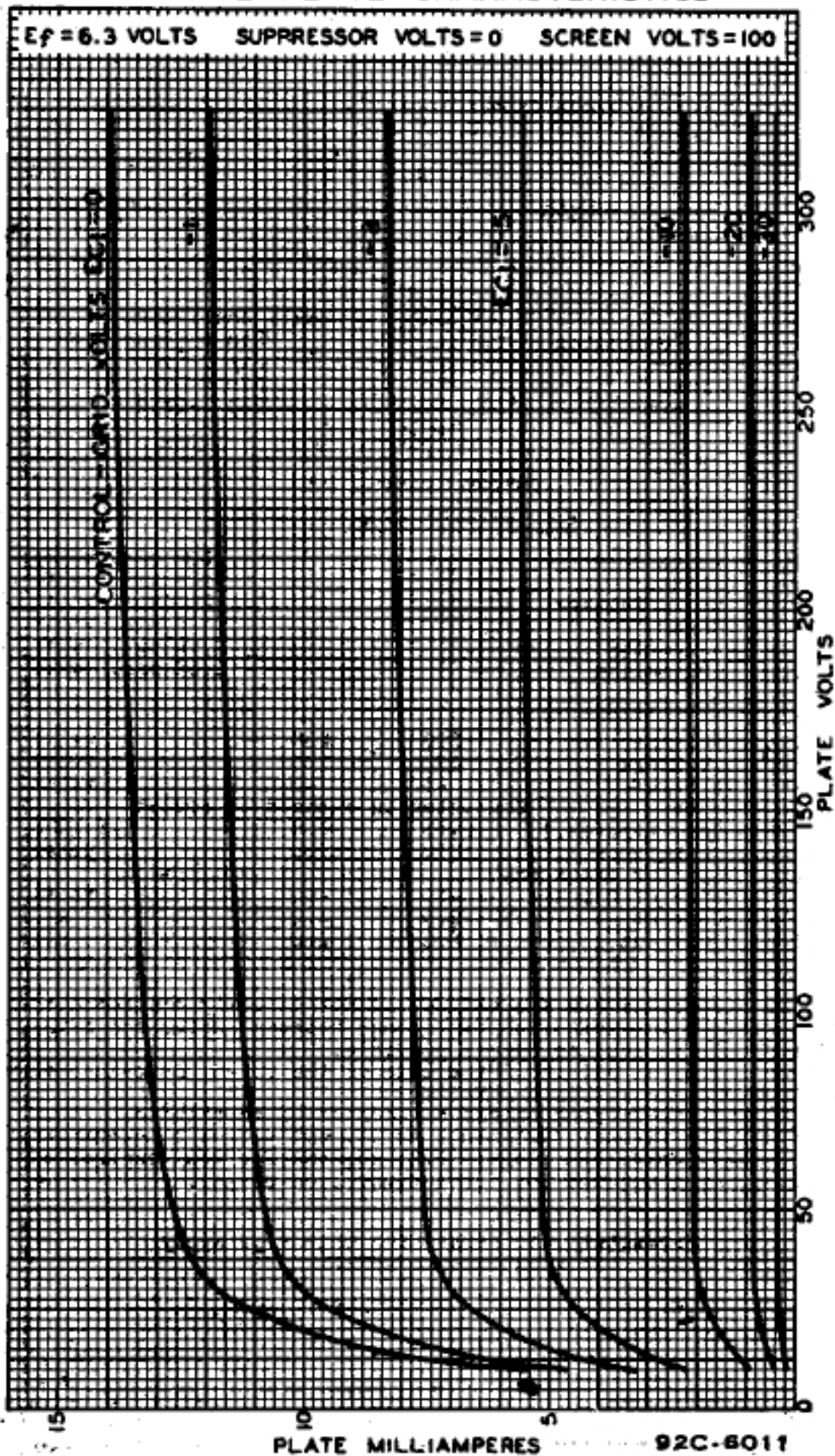
Characteristic curves for this type apply also to type 6K7-GT

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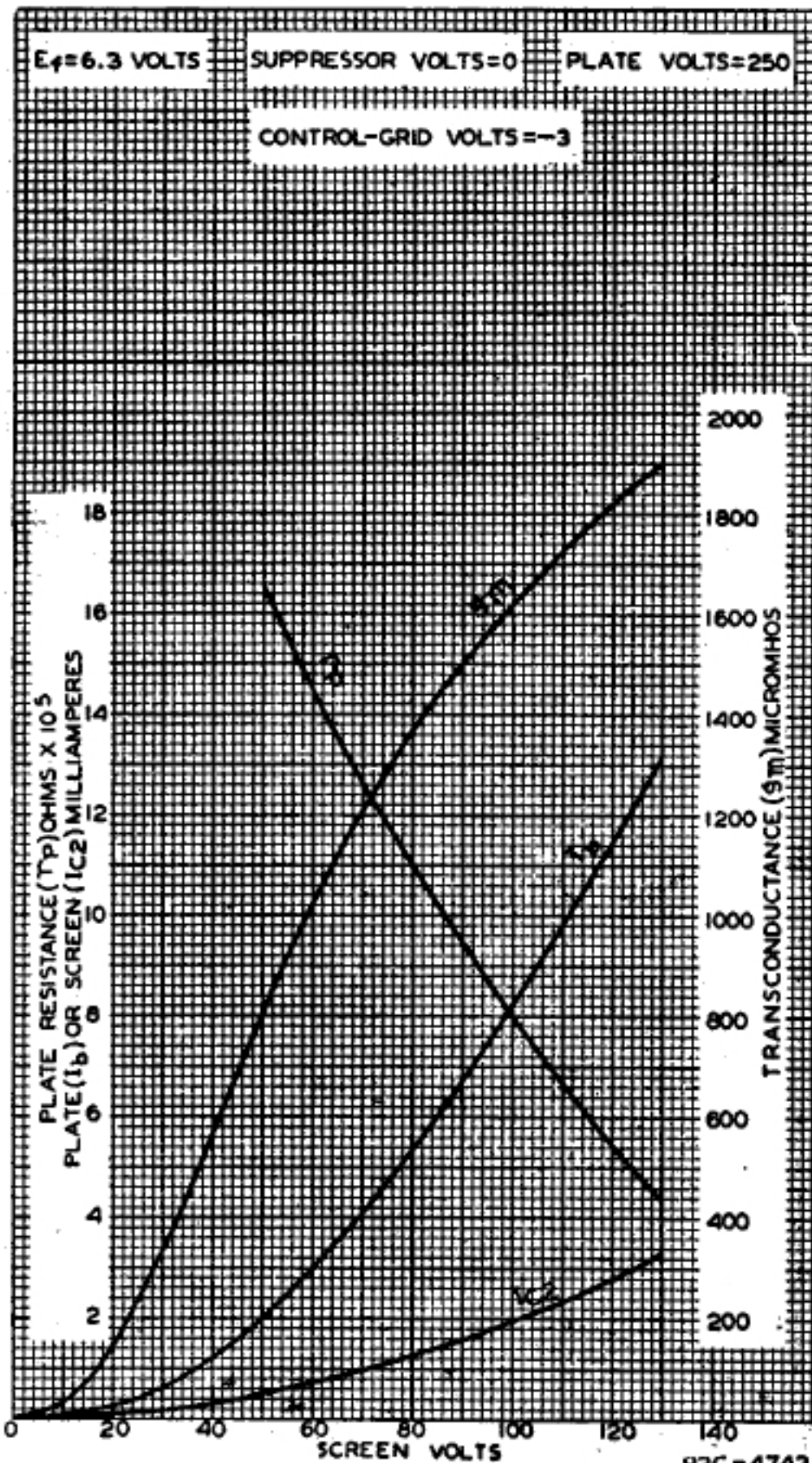
AVERAGE PLATE CHARACTERISTICS



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92C-4743

AMALGAMATED WIRELESS VALVE Co. PTY. LTD.

JULY, 1941

SYDNEY, AUSTRALIA.

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