



6L5-G

6L5-G

# DETECTOR AMPLIFIER TRIODE

Heater	Coated Unipotential Cathode	
Voltage	6.3	a-c or d-c volts
Current	0.15	amp.
Direct Interelectrode Capacitances:°		
Grid to Plate	2.7	$\mu\text{f}$
Grid to Cathode	3.0	$\mu\text{f}$
Plate to Cathode	5.0	$\mu\text{f}$
Maximum Overall Length		4-1/8"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small Shell Octal 6-Pin
Pin 1-No Connection		Pin 5-Grid
Pin 2-Heater		Pin 7-Heater
Pin 3-Plate		Pin 8-Cathode



BOTTOM VIEW

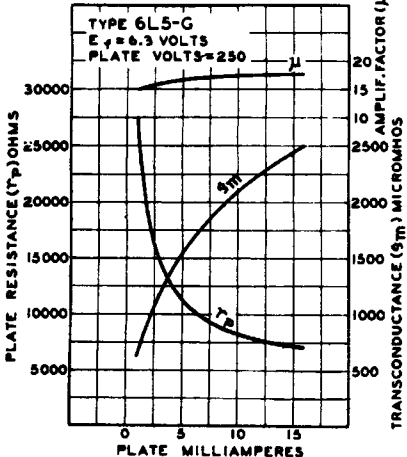
### AMPLIFIER - Class A

#### Operating Conditions and Characteristics:

Heater	6.3	6.3	volts
Plate	135	250 max.	volts
Grid	-5	-9	volts
Amp. Fact.	17	17	
Plate Res.	11200	9000	ohms
Transcond.	1500	1900	$\mu\text{mhos}$
Plate Cur.	3.5	8	ma.
Grid Bias **	-11	-20	approx. volts

\*\* For cathode current cut-off.  
 \* 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 tight-fitting shield.

### AVERAGE CHARACTERISTICS



92C-4894

APRIL 20, 1938

RCA RADIONRON DIVISION  
RCA MANUFACTURING COMPANY, INC.

DATA

6L5-G



6L5-G

### AVERAGE PLATE CHARACTERISTICS

$E_f = 6.3$  VOLTS

