

- 6DG7 -Tentative data.

The 6DG7 is a remote cut-off pentode of the 9-pin miniature type, intended for use as R.F. or I.F. amplifier, and particularly in the gain-controlled stages of auto-radio amplifiers. This tube has a very low grid plate capacitance and a high transconductance.

General data.Electrical :

Heater, for unipotential cathode :

Voltage	6,3 volts
Current	0,3 ampère.

Direct interelectrode capacitances :

(with no external shield)

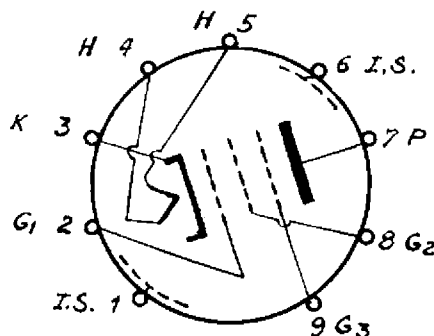
Grid N° 1 to plate	0,0018 μ F. max.
Input	5,5 μ F.
Output	5,0 μ F.

Mechanical :

Mounting position	any
Maximum overall length	2-3/6 "
Maximum seated length	1-15/16 "
Maximum diameter	7/8 "
Bulb	T-6 1/2
Base	Small button noval (JETEC N° E9-1)

Basing designation for BOTTOM VIEW.

JETEC 9BA



Pin 1	- Internal shield
Pin 2	- Grid N° 1
Pin 3	- Cathode
Pin 4	- Heater
Pin 5	- Heater
Pin 6	- Internal shield
Pin 7	- Plate
Pin 8	- Grid N° 2
Pin 9	- Grid N° 3

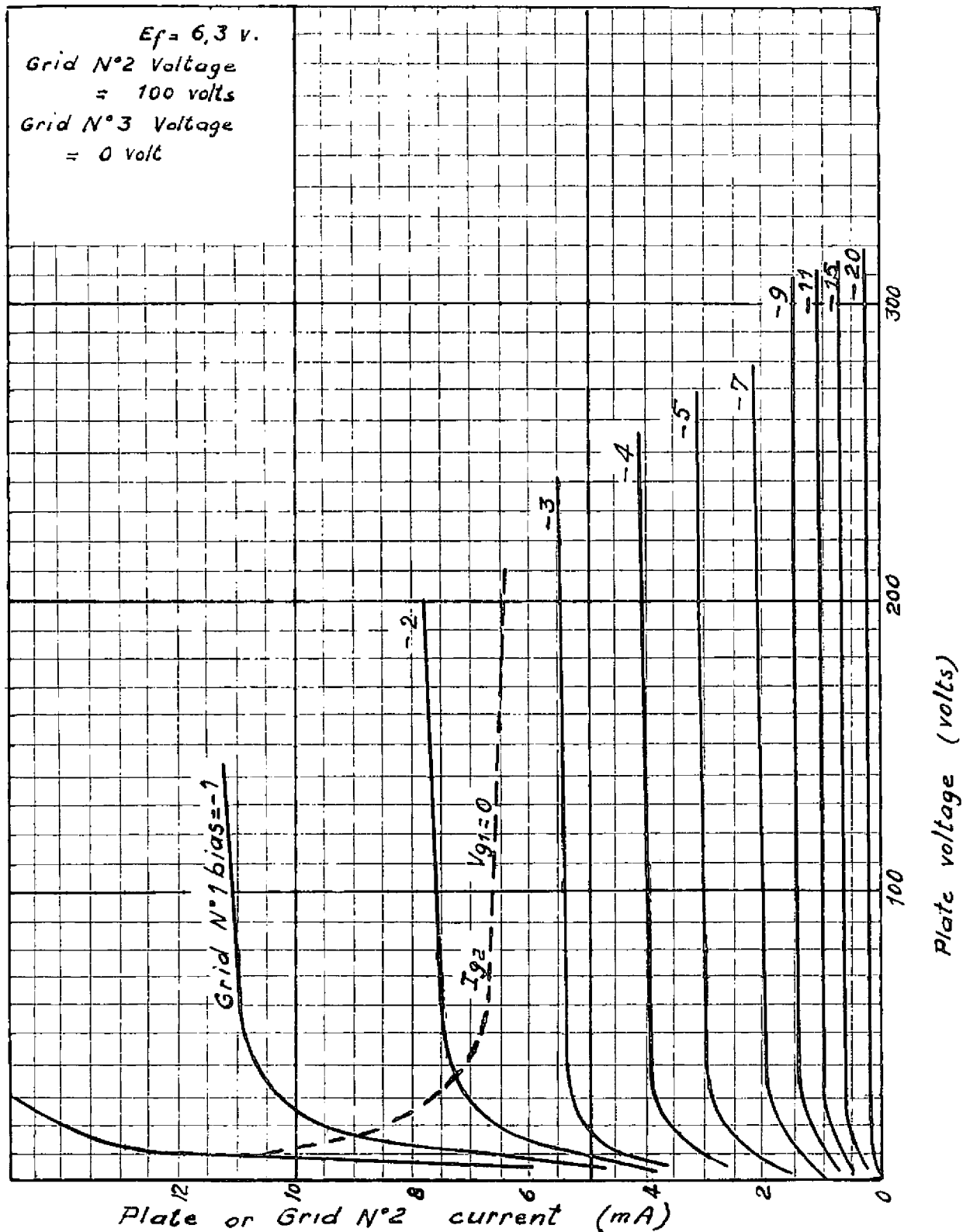
Maximum Ratings.
(Design center value)

Typical operation and characteristics.

Plate voltage	100	250 volts
Grid N° 3	connected to cathode at socket.	
Grid N° 2 voltage	100	100 volts.
Cathode bias resistor	68	68 ohms
Plate resistance	0,25	1 Megohm.
Transconductance	4.500	4.400 umhos.
Plate current	10,8	11 mA.
Grid N° 2 current	4,4	4,2 mA.
Grid N° 1 bias (approx.) for trans- conductance of 40 umhos)	- 20	- 20 volts.

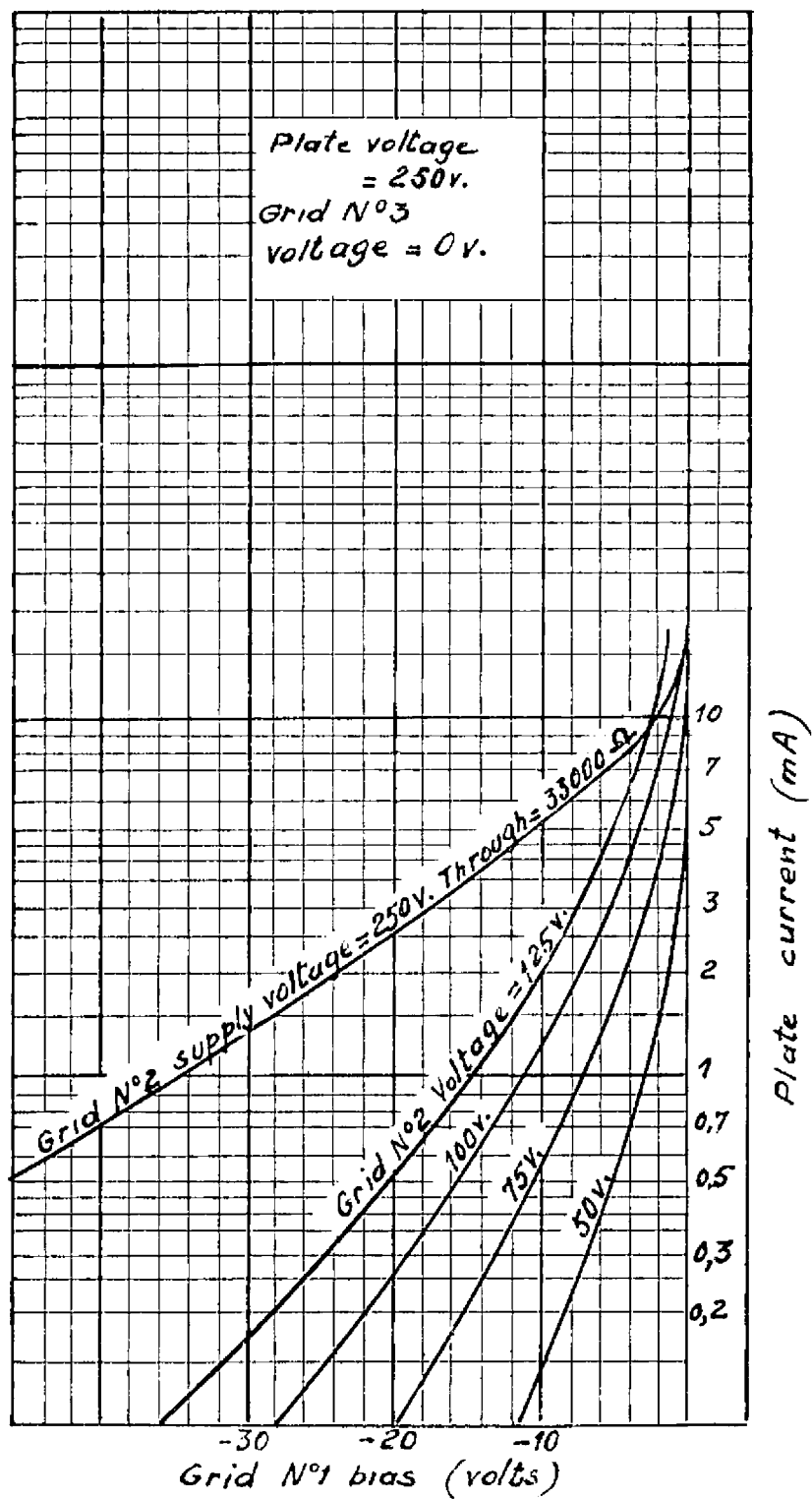
- 6DG7 -

AVERAGE PLATE CHARACTERISTICS.



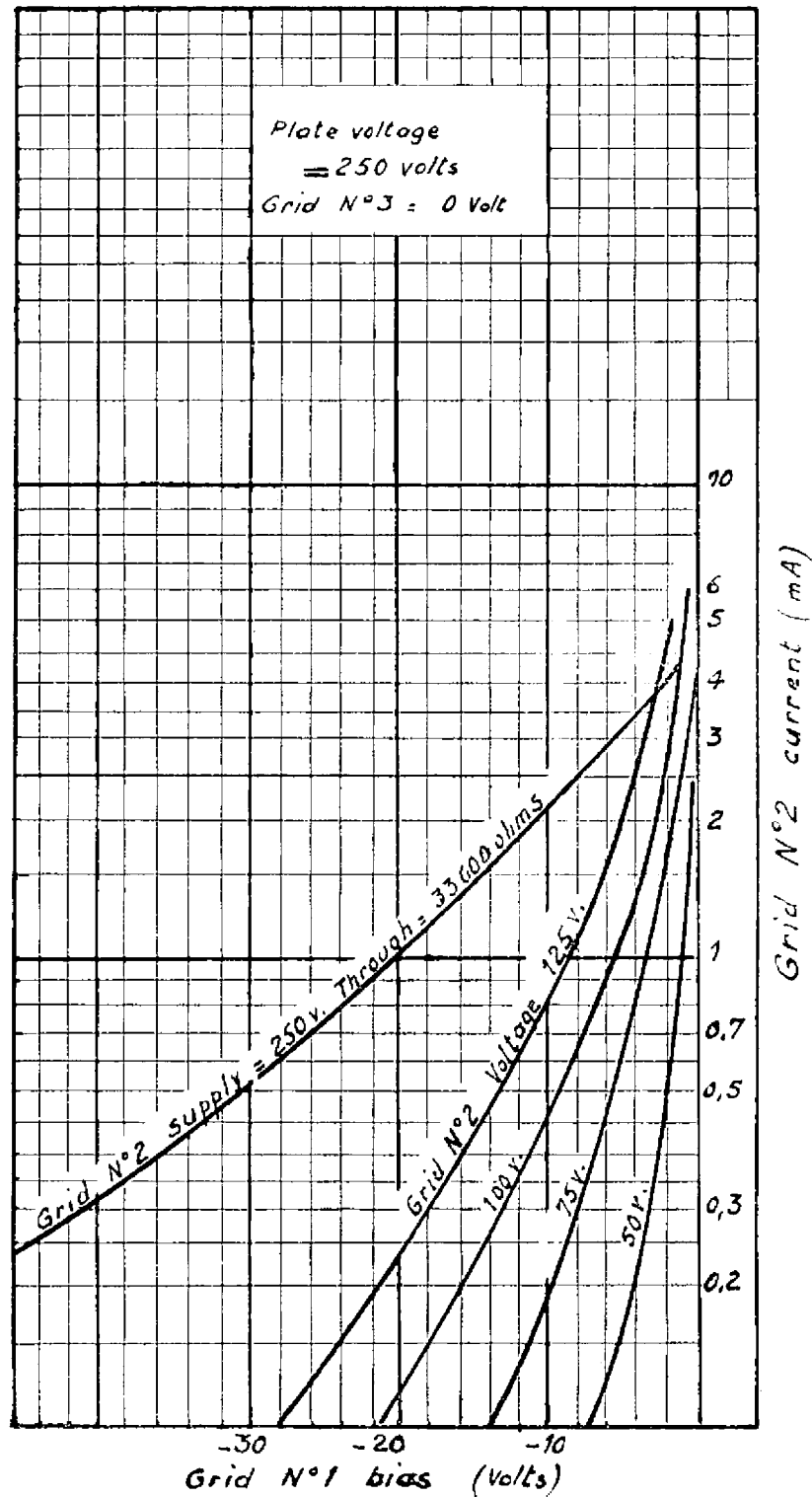
- 6DG7 -

AVERAGE CHARACTERISTICS



- 6DG7-

AVERAGE CHARACTERISTICS



- 6DG7 -

AVERAGE CHARACTERISTICS

