PHILIPS

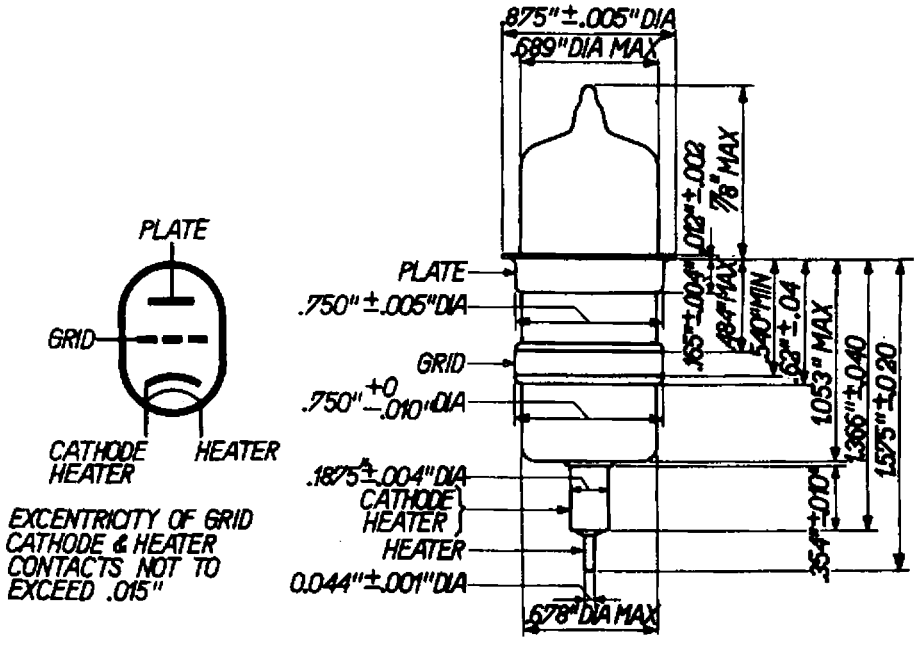
Type 5861

Disc seal triode for decimetric waves

Physical specifications

Cathode	Coated unipotential
Maximum overall length	2½ inches
Maximum diameter	7/8 inches
Mounting position	Any
Number of electrodes	Three

Tube outline



General Electric Data

Heater voltage (A.C. or D.C.)	6.3	volts
Heater current	0.4	amperes
Direct interelectrode capacitances		
Between plate and cathode + heater	0.02	µµF
Between grid and cathode + heater	2.2	µµF
Between plate and grid	1.1	µµF

from RMA release #797, Oct. 31, 1949

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Type 5861
(Continued)

Maximum ratings

Plate voltage	350	volts
Plate dissipation	10 [1]	watts
Cathode current	40	ma
Plate seal temperature	140	°Celcius

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[1] In order to limit the plate seal temperature and also to limit the rate of change of plate seal temperature, it is necessary for the mass of metal in close thermal contact with the plate disc to be not less than 60 grams (2 oz.) of brass or its equivalent.

Typical characteristics

Plate voltage	250	volts
Grid voltage	-3.5	volts
Plate current	20	ma
Transconductance	6000	micromhos
Gain factor	30	

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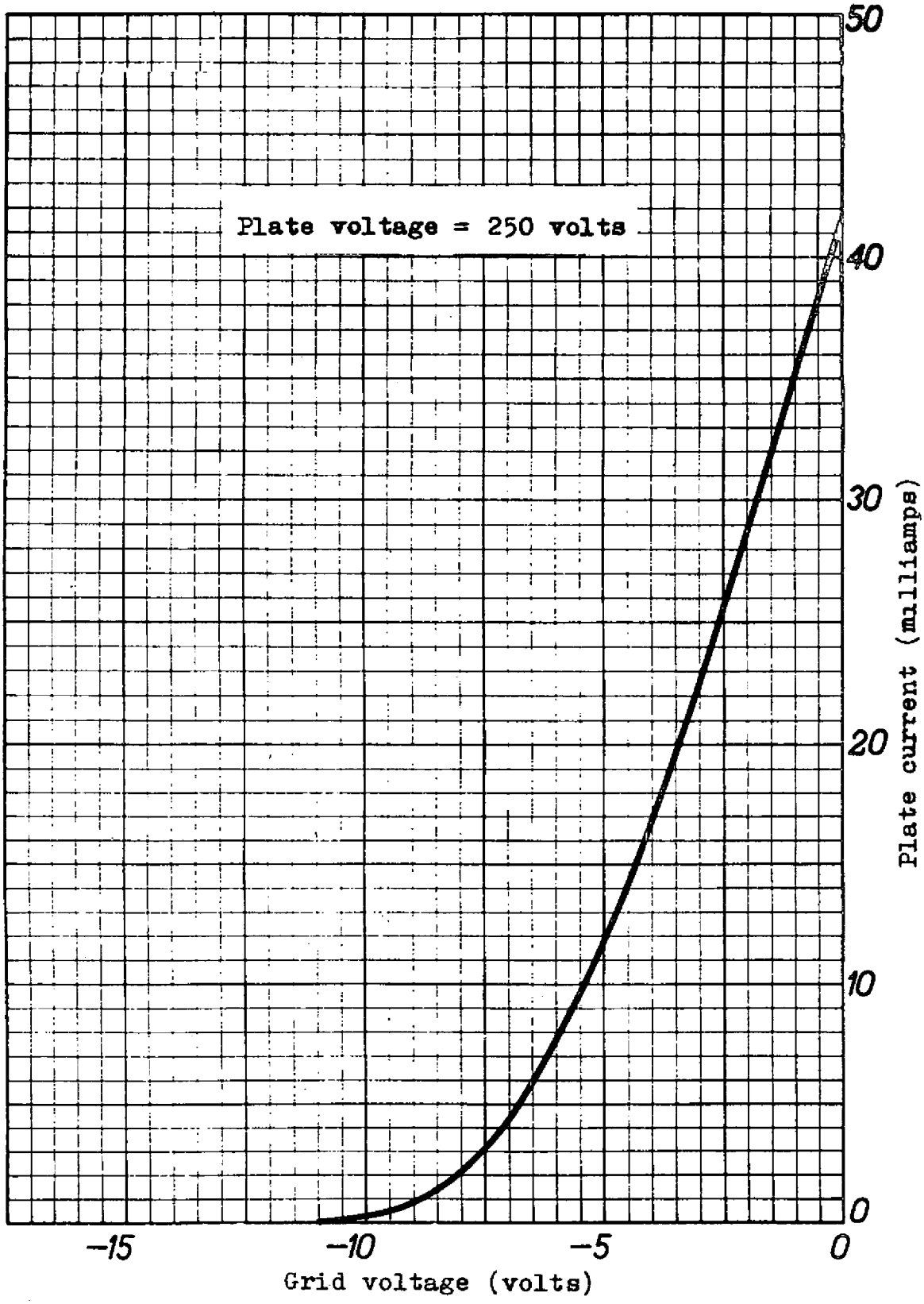

9.9.1949 A.

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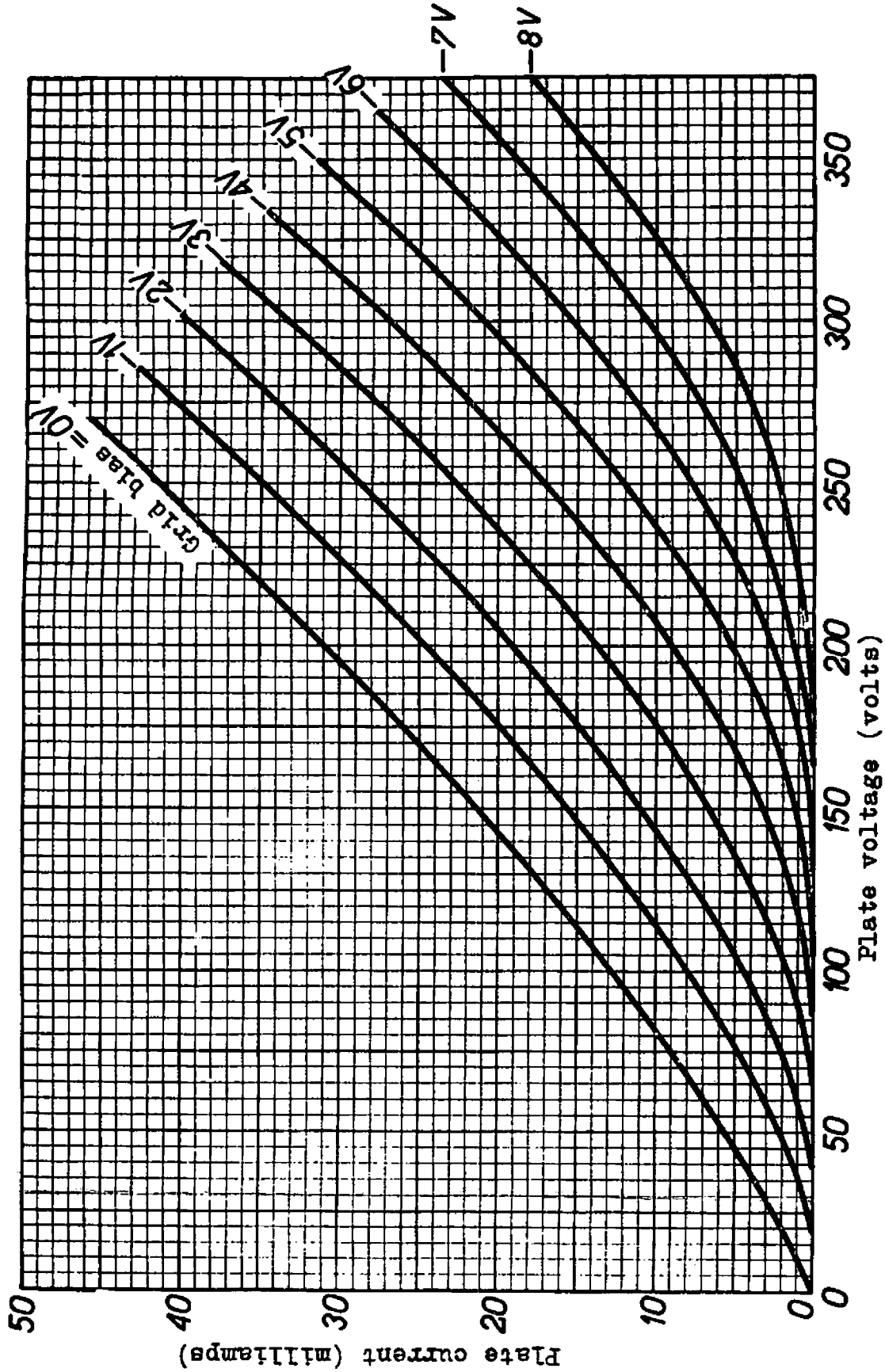
Type 5861



9.9.1949 B.

N.V.PHILIPS'GLOEILAMPENFABRIEKEN,EINDHOVEN,HOLLAND