PHILIPS

Type 5861

Disc seal triode for decimetric waves

Physical specifications

Cathode
Maximum overall length
Maximum diameter
Mounting position
Number of electrodes

Coated unipotential
2½ inches
7/8 inches
Any
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 μF
Between grid and cathode + heater 2.2 μF
Between plate and grid 1.1 μF

from RMA release #797, Oct. 31, 1949

Maximum ratings
Plate voltage 350 volts
Plate dissipation 10 \(^1\) watts
Cathode current 40 ma
Plate seal temperature 140 °Celsius

\(^1\) 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
PHILIPS

Type 5861

Plate voltage = 250 volts

Grid voltage (volts)

Plate current (milliamps)

9.9.1949
N.V. PHILIPS' GLOEILAMPENFABRIEKEN, EINDHOVEN, HOLLAND