PHILIPS

LONG LIFE DOUBLE A.F. TRIODE WITH RIGID CONSTRUCTION

Physical Specifications
Cathode Coated unipotential
Base Small button noval 9-pin
Bulb 16 1/2
Maximum overall length 2 5/8"
Maximum seated height 2 3/8"
Bulb length excluding tip 2" ± 3/32"
Maximum diameter 7/8"
Mounting position any
Basing connections - JETEC basing designation 9A

Pin 1 - Plate system I
Pin 2 - Grid system I
Pin 3 - Cathode system I
Pin 4 - Heater
Pin 5 - Heater
Pin 6 - Plate system II
Pin 7 - Grid system II
Pin 8 - Cathode system II
Pin 9 - Filament centre tap

Bottom view of base
Tube outline

General Electrical Data
Heater data
Heater voltage 6.3 12.6 volts
Heater current 600 300 ma

Direct Interelectrode Capacitances
Triode system I
Grid to all other elements except plate 2.8 µF
Plate to all other elements except grid 1.2 µF
Grid to plate 2.6 µF
Grid to heater max. 0.2 µF

8.8.1951
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Direct Inter Electrode Capacitances (continued)

Triode system II

Grid to all other elements except plate 2.7 \mu F
Plate to all other elements except grid 1.3 \mu F
Grid to plate 2.75 \mu F
Grid to heater max. 0.2 \mu F

Between systems I and II

Plate to plate max. 0.8 \mu F

Ratings - Each system (Design center values)

Plate voltage (without current) max. 550 volts
Plate voltage max. 300 volts
Plate dissipation max. 1.5 watts
Negative grid bias max. 200 volts
Grid circuit resistance max. 2 megohms
Cathode current max. 10 ma
Voltage between heater and cathode max. 60 volts
External resistance between heater and cathode max. 20,000 ohms

Typical characteristics - Each system

Plate voltage 250 volts
Grid voltage -5.5 volts
Plate current 6 ma
Transconductance 2700 micromhos
Amplification factor 30