

ELECTRONIC TUBE REFERENCE

4687K

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Cold-cathode gas-filled voltage stabilizer and reference tube operating around 95 V for shunt-regulator service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect; cold cathode	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Voltage Regulator	
REGULATOR VOLTAGE	95 V
MINIMUM REGULATOR CURRENT	10 mA
MAXIMUM REGULATOR CURRENT	40 mA
STARTING VOLTAGE	130 V
MAINTAINING VOLTAGE	95 V
Cold-cathode gas-filled Philips voltage stabilizer/reference tube.	

The Philips 4687K is a cold-cathode voltage stabiliser operating at about 95 V.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1957 Philips Receiving and Amplifying Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Voltage Regulator

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating Voltage	95 V	Ia=20mA
Regulation	10 V	Ia=10-40mA

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ignition Voltage Maximum	130 V	Ambient illumination



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V2

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1963 PHILIPS ELECTRON TUBES HANDBOOK V2

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maintaining voltage at 20 mA	95 V	—
Voltage regulation	—10 V	Ia=10-40mA

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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