



ELECTRONIC TUBE REFERENCE

C1

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

VOLTAGEREGULATOR

Voltage-regulator device represented by supplied operating voltage/current curves; the surviving source does not support a more specific functional description.

GENERAL CHARACTERISTICS

BASE DESIGNATION	P30	BASE PINS	—
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Voltage Regulator	
MAXIMUM REGULATOR CURRENT	200 mA
STARTING VOLTAGE	250 V
MAINTAINING VOLTAGE	200 V
<i>Voltage-regulator section; Philips publishes 0.2 A regulated current, 80–200 V regulating range, 200 V maximum working voltage, and 250 V maximum switch-on voltage.</i>	

The supplied C1 page provides operating and switch-on limit curves for the C1/C2/C3 family but does not identify the electrode construction or normal application, so it is retained conservatively as Other.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Mullard

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

1963 MULLARD

Section 1 · Voltage Regulator

CURVEDATA		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum operating current approximately	200 mA	C1 family curve
Maximum operating voltage range shown	90-240 V	C1 curve
Maximum switching-on voltage at 240 V operating voltage	205 mA	C1 curve; approximate from graph



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips 0-D

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

1999 PHILIPS 0-D

Section 1 · Voltage Regulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Regulated current	200 mA	Published datasheet value
Control/regulating range	80-200 V	Published datasheet value
Maximum working voltage	—200 V	Published datasheet value
Maximum voltage at switch-on	—250 V	Published datasheet value

CONSTRUCTION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Construction/use	without surge-limiting resistor	Published datasheet value

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker