

ELECTRONIC TUBE REFERENCE

OB2WA

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
VOLTAGEREGULATOR

Rugged special-quality 108 V gas regulator for military and industrial service, with published high shock and vibration resistance.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
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	108 V
MINIMUM REGULATOR CURRENT	5 mA
MAXIMUM REGULATOR CURRENT	30 mA
STARTING VOLTAGE	130 V
MAINTAINING VOLTAGE	108 V
Special-quality shock- and vibration-resistant voltage stabilizer.	

Special-quality ruggedized cold-cathode voltage stabilizer with approximately 108 V maintaining voltage.



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 5 mA	104–106 V	LifeRange
Maintaining voltage at 30 mA	109–112 V	LifeRange
Ignition voltage	—130 V	Maximum
Voltage regulation	3–4 V	I _a =5-30mA; life-dependent
Leakage current	—5 uA	Maximum

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Operating current minimum	5 mA	—
Operating current maximum	30 mA	—
Maximum starting current	—75 mA	—
Maximum shunt capacitance	—0.1 uF	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Philips Electron Tubes Handbook V3

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1963 PHILIPS ELECTRON TUBES HANDBOOK V3

Section 1 · Voltage Regulator

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maintaining voltage nominal	108 V	VoltageRegulator
Regulation maximum	3 V	5To30mA
Noise output maximum	100 mV	VoltageRegulator

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maintaining current minimum	5 mA	VoltageRegulator
Maintaining current maximum	30 mA	VoltageRegulator
Starting voltage maximum	130 V	VoltageRegulator
Starting current maximum	75 mA	10Seconds
Shunt capacitance maximum	0.1 µF	VoltageRegulator
Shock resistance approximately	900 g	SpecialQuality
Vibration resistance	2.5 g	SpecialQuality

TUBE TINKER

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

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