

ELECTRONIC TUBE REFERENCE

U30

Specialized - Ballast electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BALLAST

Current-regulator ballast designed to stabilize a nominal 100 mA series-heater string, with published regulation from approximately 87-108 mA over its operating voltage range.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	— / —	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Ballast	
PEAK INVERSE VOLTAGE	250 V
NOMINAL OUTPUT CURRENT	120 mA
Published ratings and characteristics promoted from the approved datasheet.	

Current regulator for controlling 100 mA series-heater strings.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Osram Valves

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

1937 OSRAM VALVES

Section 1 · Ballast

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	26 V	Published datasheet value
Heater Current	300 mA	Published datasheet value
Anode Voltage RMS	250 V	EachAnode
Rectified DC Current	120 mA	Published datasheet value
Rectified DC Current - Voltage Doubler	75 mA	VoltageDoubler
Rectified DC Current - Full Wave	120 mA	FullWave

SOURCE OPERATING CONDITIONS

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193X Osram

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

193X OSRAM

Section 1 · Ballast

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Half-wave DC output current	120 mA	Published datasheet value
Voltage-doubler DC output current	75 mA	Published datasheet value
Full-wave DC output current	120 mA	Published datasheet value

SOURCE OPERATING CONDITIONS

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1957 Philips Receiving and Amplifying Tubes

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1957 PHILIPS RECEIVING AND AMPLIFYING TUBES

Section 1 · Ballast

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Regulated current nominal	100 mA	—
Regulated current minimum	87 mA	—
Regulated current maximum	108 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mains voltage maximum	260 V	—

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

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

1999 PHILIPS E-Z

Section 1 · Ballast

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Regulated current nominal	100 mA	—
Regulated current minimum	87 mA	Voltage=70V
Regulated current maximum	108 mA	Voltage=122.5V
Regulated voltage range	70-122.5 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum heat development	13.5 W	—

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