



ELECTRONIC TUBE REFERENCE

CY2

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Indirectly heated full-wave rectifier for AC/DC equipment, electrically equivalent in operating characteristics to UR3C apart from mechanical details. Its series-heater construction supports approximately 120 mA DC output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	30 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE VOLTAGE	250 V
NOMINAL OUTPUT CURRENT	60 mA
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Dual rectifier system usable as voltage doubler, full-wave rectifier, or high-current half-wave rectifier; identical rectifying paths represented once.	

SECTION2 Rectifier	
NOMINAL OUTPUT CURRENT	60 mA
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Second physical rectifier section; electrical properties populated from applicable published ratings.	

Indirectly heated AC/DC rectifier using a 30 V, 200 mA heater. Its operating data and characteristic curve are specified as identical to type UR3C except for base connections and overall length.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1938 Philips Miniwatt Vacuum Tube Catalog

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

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum AC no-load plate voltage	250 V	HalfWave; OneAnode
Maximum DC output current	120 mA	HalfWave; OneAnode
Maximum AC no-load plate voltage	127 V	FullWaveEquivalent; TwoAnodes
Maximum DC output current	60 mA	FullWaveEquivalent; TwoAnodes

1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum AC no-load plate voltage	250 V	HalfWave; OneAnode
Maximum DC output current	120 mA	HalfWave; OneAnode
Maximum AC no-load plate voltage	127 V	FullWaveEquivalent; TwoAnodes
Maximum DC output current	60 mA	FullWaveEquivalent; TwoAnodes

195X Tunsgam

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

195X TUNSGRAM

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage-doubler maximum AC voltage	127 V	2 x 127 V
Voltage-doubler maximum DC current	60 mA	—
Full-wave maximum AC voltage	250 V	—
Full-wave maximum DC current	120 mA	—
Half-wave maximum AC voltage	150 V	—
Half-wave maximum DC current	120 mA	—
Maximum heater-cathode voltage	350 V	—

195X TUNSGRAM

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage-doubler maximum AC voltage	127 V	2 x 127 V
Voltage-doubler maximum DC current	60 mA	—
Full-wave maximum AC voltage	250 V	—
Full-wave maximum DC current	120 mA	—
Half-wave maximum AC voltage	150 V	—
Half-wave maximum DC current	120 mA	—
Maximum heater-cathode voltage	350 V	—



TUBE TINKER
ELECTRON TUBE DATABASE

SOURCE DATA APPENDIX

1963 Mullard

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

1963 MULLARD

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Electrical equivalence reference	UR3C	Except base connections and overall length

1963 MULLARD

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Electrical equivalence reference	UR3C	Except base connections and overall length



SOURCE DATA APPENDIX

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 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chzuffage: indirect par C.A. ou C.C.; Vi	30 V	Published datasheet specification
zimentation en série If	200 mA	Published datasheet specification
VEYR	450 V	Published datasheet specification
Vfk	450 v	Published datasheet specification
mex	50 V	Published datasheet specification
Published specification	0	Published datasheet specification

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
max,	70 V	Published datasheet specification
Published specification	6 pF	Published datasheet specification
max	27 V	Published datasheet specification
Published specification	6 uF	Published datasheet specification

1999 PHILIPS 0-D

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chzuffage: indirect par C.A. ou C.C.; Vi	30 V	Published datasheet specification
zlimentation en série If	200 mA	Published datasheet specification
VEYR	450 V	Published datasheet specification
Vfk	450 v	Published datasheet specification
mex	50 V	Published datasheet specification
Published specification	0	Published datasheet specification
max,	70 V	Published datasheet specification
Published specification	6 pF	Published datasheet specification
max	27 V	Published datasheet specification
Published specification	6 uF	Published datasheet specification

TUBE TINKER

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