



ELECTRONIC TUBE REFERENCE

CY1

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated AC/DC rectifier electrically equivalent to UR1C apart from mechanical details. Its 20 V, 200 mA heater suits series-string equipment and supports approximately 80 mA rectified DC output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	20 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE VOLTAGE	250 V
NOMINAL OUTPUT CURRENT	80 mA
MAXIMUM HEATER-CATHODE VOLTAGE	350 V
Indirectly heated half-wave rectifier; source specifies series anode resistance versus line voltage and smoothing capacitance.	

Indirectly heated AC/DC rectifier using a 20 V, 200 mA heater. Its operating data and characteristic curve are specified as identical to type UR1C 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
Maximum DC output current	80 mA	HalfWave



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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
Maximum AC anode voltage	250 V	—
Maximum DC output current	80 mA	—
Maximum heater-cathode voltage	350 V	Peak
Series anode resistor	125 0hm	170-250 V line, 32 uF smoothing capacitor



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	UR1C	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
a einem Heizstrom von	0 mA	Published datasheet specification
von	0 V	Published datasheet specification
bei Verwendung an	10	Published datasheet specification
Published specification	70250 V	Published datasheet specification
Published specification	2 uF	Published datasheet specification
Published specification	6 pF	Published datasheet specification
Published specification	0	Published datasheet specification
Published specification	27	Published datasheet specification
Published specification	6 uF	Published datasheet specification
Max	27 V	Published datasheet specification
Heizstrom Ir	200 A	Published datasheet specification
Max. Gleichstrom I,	80 mA	Published datasheet specification
(Scheitelwert) Vg	400 V	Published datasheet specification

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ja (mA)	654	Published datasheet specification