



ELECTRONIC TUBE REFERENCE

80A

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Type 80/274A-compatible directly heated full-wave rectifier for conventional high-voltage power supplies. Its five-volt filament provides moderate current for amplifier, receiver, and other vacuum-tube supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	UX4	BASE PINS	4
NOMINAL HEATER	5 V / 2 A	PARALLEL HEATER	– / –
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
NOMINAL OUTPUT CURRENT	160 mA
<i>Representative of two electrically identical rectifier paths.</i>	

SECTION2 Rectifier	
NOMINAL OUTPUT CURRENT	160 mA
<i>Second physical rectifier section; promoted electrical properties populated from identical section.</i>	

Special Type 80/274A-compatible directly heated full-wave rectifier. The supplied Emission Labs sheet was read for filament data, maximum ratings, representative operating points, gm/rp/mu, output conditions, capacitances, and rectifier filter conditions as applicable.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	5 V	—
Filament current	2 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum AC input voltage	350 V RMS	Type80;CapacitorInputFilter
Maximum DC output current	125 mA	Type80;CapacitorInputFilter
Maximum AC input voltage	550 V RMS	274A;ChokeInputFilter
Maximum DC output current	160 mA	274A
Maximum first capacitor	4 uF	274A

TUBE TINKER

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and their source documents.

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