



ELECTRONIC TUBE REFERENCE

4274A

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Directly heated full-wave rectifier documented for power-supply service. Its five-volt filament supports conventional dual-diode full-wave operation; available source material does not justify more specific functional claims.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	4
NOMINAL HEATER	5 V / 2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier

No fixed ratings recorded.

Ratings and characteristics extracted from 4274A.pdf.

SECTION2 Rectifier

No fixed ratings recorded.

Second physical rectifier section; electrical properties populated from corresponding identical section.

The 4274A is a rectifier described in the Standard Valves datasheet, using a directly heated filament cathode and published operating data.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1937 Standard Valves

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

1937 STANDARD VALVES

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS AC voltage per anode	550 V	ChokeInputFilter
Total rectified current	160 mA	ChokeInputFilter
RMS AC voltage per anode	450 V	CapacitorInputFilter
Total rectified current	140 mA	CapacitorInputFilter
Maximum input filter capacitance	4 uF	CapacitorInputFilter

1937 STANDARD VALVES

Section 2 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
RMS AC voltage per anode	550 V	ChokeInputFilter
Total rectified current	160 mA	ChokeInputFilter
RMS AC voltage per anode	450 V	CapacitorInputFilter
Total rectified current	140 mA	CapacitorInputFilter
Maximum input filter capacitance	4 uF	CapacitorInputFilter

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1946 Standard Telephone and Cables

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

1946 STANDARD TELEPHONE AND CABLES

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	5 volts	—
Nominal filament curren	2 amps	—

1946 STANDARD TELEPHONE AND CABLES

Section 2 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament voltage	5 volts	—
Nominal filament curren	2 amps	—