



ELECTRONIC TUBE REFERENCE

RGN2504

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

RECTIFIER-RECTIFIER

Directly heated full-wave rectifier with series-connected filament arrangement, intended for moderate- to higher-current high-vacuum power-supply rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	UX4	BASE PINS	—
NOMINAL HEATER	4 V / 2.6 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Capable
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier

NOMINAL OUTPUT CURRENT	200 mA
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Representative of two electrically identical rectifier paths.

SECTION2 Rectifier

NOMINAL OUTPUT CURRENT	200 mA
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Physical rectifier section 2; identical section values duplicated per physical-section policy.

Directly heated full-wave RGN2504 rectifier with series-connected filament arrangement. 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	4 V	—
Filament current	2.6 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum DC output current	200 mA	TransformerAC=300V
Maximum first capacitor	60 uF	TransformerAC=300V
Minimum transformer winding resistance	70 ohm	TransformerAC=300V
Maximum DC output current	150 mA	TransformerAC=400V
Maximum first capacitor	50 uF	TransformerAC=400V
Minimum transformer winding resistance	100 ohm	TransformerAC=400V
Maximum DC output current	120 mA	TransformerAC=500V
Maximum first capacitor	50 uF	TransformerAC=500V
Minimum transformer winding resistance	120 ohm	TransformerAC=500V

TUBE TINKER

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and their source documents.

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