



ELECTRONIC TUBE REFERENCE

3B25

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

RCA directly heated gas-filled high-voltage half-wave rectifier for transmitting and industrial supplies. Its heavy filament and gas-assisted conduction provide substantial current at high voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 6 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	250 mA
PEAK FORWARD CURRENT	1 A
<i>Gas-filled high-voltage half-wave rectifier.</i>	

The RCA 3B25 is a gas-filled high-voltage half-wave rectifier. The supplied source provides transmitting, RF, or rectifier ratings appropriate to this device.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1956 RCA Transmitting Tubes

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

1956 RCA TRANSMITTING TUBES

Section 1 · Rectifier

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Plate/Inverse Voltage	10000 V	Source rating
Maximum Average Anode Current	250 mA	At 10000V PIV

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Tube Voltage Drop	10 V	—

TUBE TINKER

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