



ELECTRONIC TUBE REFERENCE

4064B

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Indirectly heated hot-cathode mercury-vapor half-wave rectifier for high-voltage power conversion. Rated for approximately 10 kV peak inverse voltage and 1.25 A nominal output for substantial industrial supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 6.75 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	10000 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	5 A
Published ratings and characteristics promoted from approved datasheet.	

4064B is a half-wave hot-cathode mercury-vapour rectifier. The Standard Valves sheet publishes construction, electrical constants, limiting conditions, and applicable 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
Maximum peak anode current	5 A	—

CONSTRUCTION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Mercury vapor fill	1 boolean	Hot-cathode mercury-vapour rectifier