



ELECTRONIC TUBE REFERENCE

A296

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated high-vacuum rectifier designed particularly for three-phase high-voltage rectifier circuits, providing ampere-class output and substantial inverse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 32.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE DISSIPATION	375 W
PEAK INVERSE VOLTAGE	25000 V
NOMINAL OUTPUT CURRENT	3 A
PEAK FORWARD CURRENT	6.5 A

High-vacuum rectifier rated to 25 kV peak inverse voltage and designed for three-phase rectifier circuits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 English Electric Valve

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

1971 ENGLISH ELECTRIC VALVE

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Output Voltage	23 kV	ThreePhase
DC Output Current	3 A	ThreePhase

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
NominalImpedance	130 0hm	At 3.0 A

TUBE TINKER

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