



ELECTRONIC TUBE REFERENCE

D1034A

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

Water-cooled directly heated rugged high-vacuum power diode for very-high-voltage, high-current rectification. Rated for approximately 55 kV peak inverse voltage and 15 A nominal output for major industrial supplies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	7 V / 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	50000 W
PEAK INVERSE VOLTAGE	55000 V
NOMINAL OUTPUT CURRENT	15 A
PEAK FORWARD CURRENT	130 A

Water-cooled rugged high-vacuum power diode.

SOURCE OPERATING CONDITIONS

1962 ITT

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

1962 ITT

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	7 V	—
Filament Current	5 A	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Inverse Voltage	55000 V	—
Maximum Peak Plate Current	130 A	—
Maximum Average Plate Current	15 A	—
Maximum Plate Dissipation	50000 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Interelectrode Capacitance	45 pF	—

TUBE TINKER

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and their source documents.

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