



ELECTRONIC TUBE REFERENCE

GXU3

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Xenon-filled half-wave rectifier for high-voltage power conversion, using gas-assisted conduction for low forward drop and substantial current capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 11 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	13000 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	6 A
FORWARD VOLTAGE DROP	13 V
WARM-UP TIME	30 s

Xenon-filled half-wave rectifier for high-voltage power supplies.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1955 Marconi

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

1955 MARCONI

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Filament Voltage	4 V	—
Filament Current	11 A	—
Forward Voltage Drop	13 V	—
Ambient Temperature Range	-55 to +70 C	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Peak Inverse Voltage	13000 V	—
Maximum Peak Anode Current	6 A	—
Maximum Average Anode Current	1.25 A	—
Maximum Surge Anode Current	60 A	—
Maximum Supply Frequency	150 Hz	—
Minimum Heating Time	30 s	—
Three-Phase Full-Wave DC Output	12 kV	3.75 A output

TUBE TINKER

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and their source documents.

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