

ELECTRONIC TUBE REFERENCE

6215

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
RECTIFIER

Directly heated half-wave high-vacuum rectifier for high-voltage, low-current industrial 60 Hz applications such as dust precipitators, with an explicit soft-X-ray operating warning.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B6-60	BASE PINS	6
NOMINAL HEATER	1.25 V / 200 mA	PARALLEL HEATER	- / -
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM CATHODE CURRENT	1 mA
PEAK INVERSE VOLTAGE	18000 V
NOMINAL OUTPUT CURRENT	1 mA
PEAK FORWARD CURRENT	8 mA
FORWARD VOLTAGE DROP	56 V
Promoted from clearly identified printed ratings/characteristics; additional published operating points and capacitances retained in TUBE_SECTION_PARAMETER.	

The GL-6215 is a half-wave high-vacuum diode rectifier for high-voltage, low-current 60-cycle applications such as dust precipitators and other industrial equipment. The datasheet warns that high-voltage operation can produce soft X-rays.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Tube voltage drop	56 V	At2mADC

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC output current maximum	1 mA	HalfWave
Peak inverse voltage maximum	18000 V	HalfWave
Peak current maximum	8 mA	HalfWave

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 General Electric Co

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

1968 GENERAL ELECTRIC CO

Section 1 · Rectifier

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Steady State Peak Plate Current	8 mA	60Hz rectifier service
TransientPeakPlateCurrent	30 mA	MaximumDuration=0.2s
Peak Inverse Plate Voltage	18000 V	Rectifier Service at 60 Cycles per Second

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Note The voltages employed	1 C	Rectifier Service at 60 Cycles per Second
PIN	3 C	Rectifier Service at 60 Cycles per Second
Er	1.25 V	Rectifier Service at 60 Cycles per Second

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