

ELECTRONIC TUBE REFERENCE

FG190

Rectifier - Full Wave electronic tube

CONSOLIDATED TECHNICAL DATA
2 SECTIONS
CONSTRUCTION
RECTIFIER-RECTIFIER

Directly heated gas-filled all-metal full-wave rectifier for low-voltage, high-current power supplies. Its heavy filament and low gas-discharge forward voltage support ampere-class industrial rectification.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	2.5 V / 1.2 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	175 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	5 A
FORWARD VOLTAGE DROP	8 V
Gas-filled phanotron; 5 A is the published instantaneous anode-current rating at 25 cycles and above.	

SECTION2 Rectifier	
PEAK INVERSE VOLTAGE	175 V
NOMINAL OUTPUT CURRENT	1.25 A
PEAK FORWARD CURRENT	5 A
FORWARD VOLTAGE DROP	8 V
Physical rectifier section 2; identical section values duplicated per physical-section policy.	

Gas-filled all-metal full-wave rectifier for low-voltage service.



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
Instantaneous Anode Current Below 25 Cycles	2.5 A	—
Surge Anode Current	20 A	DesignOnly

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Pick-up Voltage Either Anode	14 V	Typical

TUBE TINKER

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and their source documents.

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