



ELECTRONIC TUBE REFERENCE

FG280

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

RECTIFIER

All-metal indirectly heated mercury-vapor half-wave rectifier for high-current conversion with low voltage drop. Its heavy heater provides several amperes of industrial output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5 V / 10 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
PEAK INVERSE VOLTAGE	2000 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	12.8 A
FORWARD VOLTAGE DROP	15 V
Half-wave mercury-vapor phanotron; instantaneous current is for 25 cycles and above.	

The FG-280 is an all-metal half-wave mercury-vapor rectifier for converting alternating current to direct current where relatively high current and low voltage drop are required.



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	12.8 A	—
Surge Anode Current	200 A	DesignOnly

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