



ELECTRONIC TUBE REFERENCE

FG104

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Indirectly heated mercury-vapor half-wave rectifier for high-current, relatively low-voltage conversion. Its heavy heater and low arc voltage provide 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

SECTION1 Rectifier	
PEAK INVERSE VOLTAGE	3000 V
NOMINAL OUTPUT CURRENT	6.4 A
PEAK FORWARD CURRENT	40 A
FORWARD VOLTAGE DROP	15 V
<i>Promoted fields mapped semantically from printed ratings/characteristics headings.</i>	

GL-5561/FG-104 half-wave mercury-vapor rectifier for high-current, low-voltage rectifier applications.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 General Electric Transmitting Types

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

1950 GENERAL ELECTRIC TRANSMITTING TYPES

Section 1 · Rectifier

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	5 V	—
Forward Voltage Drop	15 V	Typical



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
Duration of SUFEe CUMTENT . . . vt vt e it 0	0.1 seconds	Duration of SUFEe CUMTENT . . . vt vt e it 0 0.1 seconds
Maximum time of averaging current..... 15	15 seconds	Maximum time of averaging current..... 15 15 seconds
Temperature limits, condensed mercury..... +40-+80 +25+	50 degC	Temperature limits, condensed mercury..... .. +40-+80 +25+50 centigrade
Recommended temperature, condensed mercury. 40	40 degC	Recommended temperature, condensed mercury. 40 40 centigrade

TUBE TINKER

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