



ELECTRONIC TUBE REFERENCE

GL411

Rectifier - Half Wave electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

General Electric high-vacuum half-wave rectifier for very-high-voltage, low-current cable testing and electrostatic precipitation, providing approximately 150 kV inverse-voltage capability.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	10 V / 14.5 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Rectifier	
MAXIMUM PLATE DISSIPATION	500 W
PEAK INVERSE VOLTAGE	150000 V
PEAK FORWARD CURRENT	300 mA
<i>High-vacuum rectifier. Highest published peak-inverse-voltage service rating promoted.</i>	

The GL-411 is a high-vacuum rectifier for high-voltage, low-current applications such as cable testing and smoke precipitation, with service ratings extending to 150,000 volts.

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
Alternate Peak Inverse Voltage	100000 V	AlternateService
Maximum Anode Dissipation	500 W	RectifierService