

ELECTRONIC TUBE REFERENCE

GL207

Power - Triode (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
TRIODE

General Electric power triode intended for professional transmitting or amplifier service. The available manufacturer record does not support sufficiently reliable detailed operating figures in this pass, so the description remains deliberately conservative.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	22 V / 51 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0057 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	15000 V
MAXIMUM PLATE DISSIPATION	10000 W
MAXIMUM CATHODE CURRENT	750 mA
Transmitting triode. Highest published plate-voltage and plate-dissipation limits promoted; service-specific alternatives retained as parameters.	

The GL-207 is a three-electrode vacuum tube for radio-frequency power amplifier, oscillator, and Class-B modulator service, with a water-cooled plate capable of multi-kilowatt dissipation.

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 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	10000 V	AverageCharacteristics
Plate Current	750 mA	AverageCharacteristics
Class C RF Maximum Plate Input	30 kW	KeyDown
Water Flow Minimum	3 gal/min	WaterCooling

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid Voltage	-310 V	AverageCharacteristics
Grid-Plate Transconductance	5700 μ S	AverageCharacteristics
Class B Audio Maximum Signal Plate Power Output	22.5 kW	TwoTubes