

ELECTRONIC TUBE REFERENCE

GL6251

Power - Tetrode (NOT beam) (over 1000V 100W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Water- and forced-air-cooled metal-ceramic transmitting tetrode for grounded-grid VHF television power amplification or oscillator service, rated for approximately 25 kW plate dissipation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	5.5 V / 190 A	PARALLEL HEATER	— / —
HEATING	Direct	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	7000 V
MAXIMUM SCREEN VOLTAGE	700 V
MAXIMUM PLATE DISSIPATION	25000 W
MAXIMUM GRID DISSIPATION	150 W
MAXIMUM CATHODE CURRENT	8 A
Water/forced-air-cooled VHF transmitting tetrode; television-service absolute maxima promoted.	

The GL-6251 is a water- and forced-air-cooled metal-ceramic transmitting tetrode for grounded-grid VHF television power-amplifier or oscillator service, with a 25-kW plate-dissipation rating.



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 · Tetrode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
DC Plate Current Maximum	8 A	ClassB Television
Plate Input Maximum	50 kW	ClassB Television
Typical DC Plate Voltage	6800 V	GroundedGrid 216MHz
Typical Screen Voltage	600 V	GroundedGrid 216MHz
Peak Cathode Current	30 A	—
Water Outlet Temperature Maximum	70 C	WaterCooling

TUBE TINKER

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and their source documents.

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