

ELECTRONIC TUBE REFERENCE

GL8866

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TETRODE

Compact heat-sink-cooled tetrode for pulsed L-band amplification around 1.1 GHz, producing roughly 1.6 kW pulse output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3.38 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	3500 V
MAXIMUM SCREEN VOLTAGE	750 V
MAXIMUM PLATE DISSIPATION	150 W

Reduced-size heat-sink-cooled metal-and-ceramic tetrode for pulsed L-band amplifier or oscillator service.



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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode Heating Time	1 min	Minimum
Input Capacitance	20 pF	—
Output Capacitance	8.9 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PulseWidth	15 us	1250MHz
DutyFactor	0.02	1250MHz
Power Output	1.6 kW	Pulsed;1100MHz

TUBE TINKER

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and their source documents.

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