



ELECTRONIC TUBE REFERENCE

GL51065

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
TETRODE

High-performance metal-ceramic tetrode for pulsed RF amplifier service in advanced ground, shipboard, or airborne equipment at UHF and microwave frequencies.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 3.8 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Tetrode	
MAXIMUM PLATE VOLTAGE	5000 V
MAXIMUM SCREEN VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	600 W
MAXIMUM CATHODE CURRENT	6 A
Pulsed RF tetrode; 1250-MHz pulse-service maximum ratings promoted.	

The GL-51065 is a high-performance metal-ceramic tetrode for pulsed RF amplifier service in advanced ground, shipboard, or airborne equipment at UHF/microwave frequencies.

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 During Pulse	6 A	1250MHz
DC Grid No.2 Voltage	1000 V	1250MHz
Pulse Width	10 us	1250MHz
Duty Factor	0.01 ratio	1250MHz

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Useful Pulse Power Output	11 kW	1030MHz