



ELECTRONIC TUBE REFERENCE

GL51025

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
TRIODE

Forced-air-cooled metal-ceramic triode with internal feedback, designed specifically as a pulsed L-band oscillator for airborne or ground radar.

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 Triode	
MAXIMUM PLATE VOLTAGE	8000 V
MAXIMUM PLATE DISSIPATION	110 W
MAXIMUM GRID DISSIPATION	3.5 W
MAXIMUM CATHODE CURRENT	10 A
Pulsed L-band oscillator triode; pulse-service maximum ratings promoted.	

The GL-51025 is a heat-sink and forced-air-cooled metal-ceramic triode with internal feedback, especially designed for pulsed L-band oscillator service in airborne or ground-based radar equipment.

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
DC Plate Current During Pulse	10 A	ClassC Pulse
DC Grid Voltage During Pulse	-400 V	ClassC Pulse
Pulse Width	10 us	ClassC Pulse
Duty Factor	0.003 ratio	ClassC Pulse

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Useful Pulse Power Output	40 kW	1300MHz

TUBE TINKER

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