



ELECTRONIC TUBE REFERENCE

6897

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

High-mu metal-ceramic planar triode for grounded-grid RF oscillator and amplifier service to approximately 2.5 GHz. High transconductance, low capacitance, and 100 W plate dissipation provide useful microwave power from compact cavity circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 1.03 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Triode	
TRANSCONDUCTANCE	0.0248 S
AMPLIFICATION FACTOR	95
MAXIMUM PLATE VOLTAGE	1000 V
MAXIMUM PLATE DISSIPATION	100 W
MAXIMUM GRID DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	125 mA

Metal-and-ceramic high-mu planar triode for grounded-grid oscillator or amplifier service to 2500 MHz, with 100 W plate dissipation and high transconductance.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	2.01 pF	—
Grid-to-cathode capacitance	6.5 pF	—
Plate-to-cathode capacitance	0.023 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Useful power output at 500 MHz	40 W	ClassC

TUBE TINKER

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